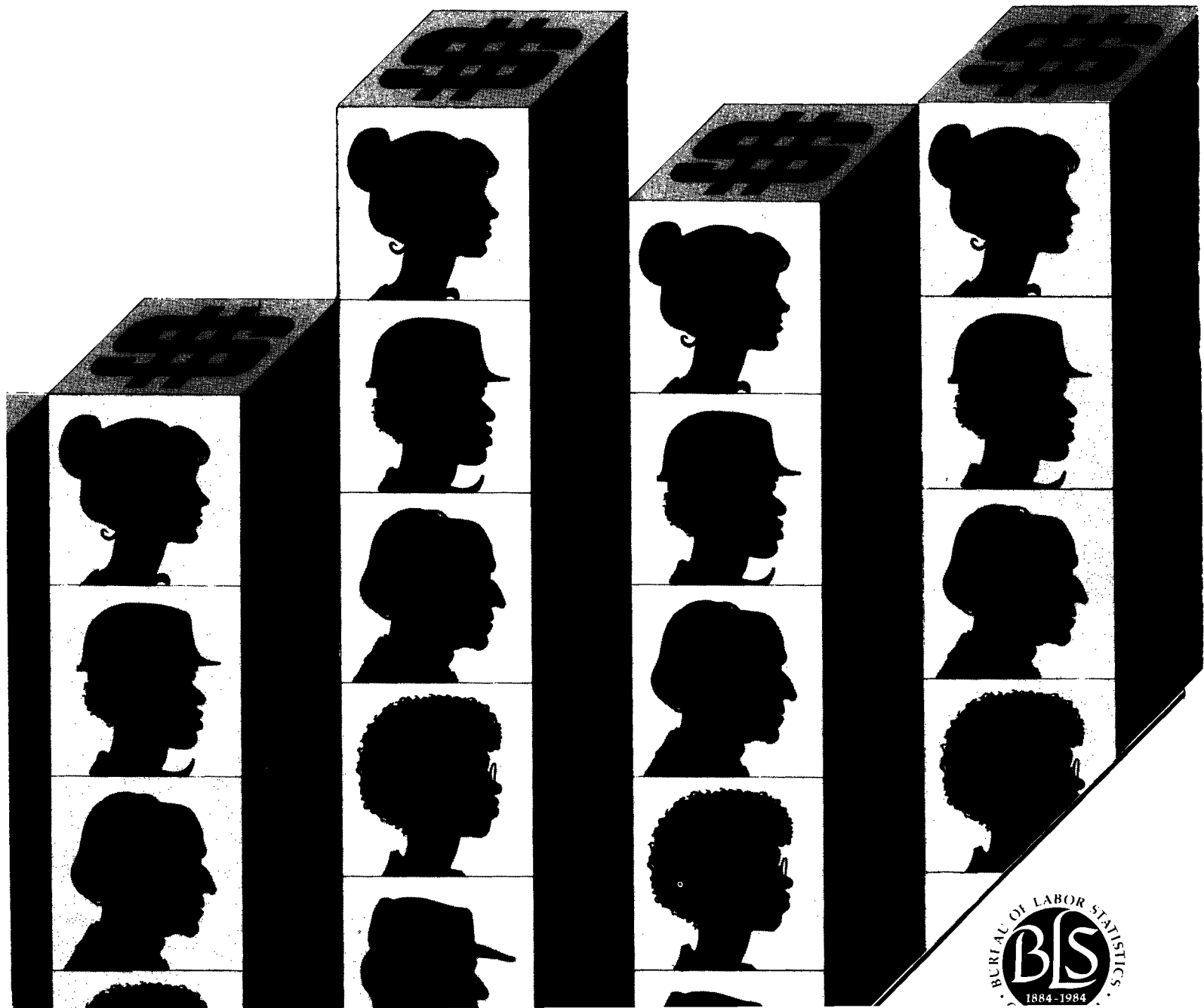




EMPLOYMENT AND EARNINGS

U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR
Raymond J. Donovan, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

Employment and Earnings is prepared by the Division of Data Development and Users' Services and the Division of Monthly Industry Employment Statistics in collaboration with the Division of Special Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

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Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings* special features appear in most of the issues as shown below:

Household data

Annual averages	Jan.
Revised seasonally adjusted series	Jan., Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, family relationship data, weekly earnings data	Jan., Apr., July, Oct.

Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June ¹
Revised historical national data	Supplement ²
State and area annual averages	May
Area definitions	May

State and area labor force data

Annual averages	May
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¹ Issue varies. Latest revised data introduced June 1984.

² Month of publication varies. The latest supplement was published in July 1983.

Employment and Earnings

Vol. 31 No. 7 July 1984

Editors: Gloria Peterson Green, Rosalie K. Epstein

Editors' note

Publication of quarterly data for metropolitan and nonmetropolitan areas, as shown in table A-68 of the April 1984 issue of *Employment and Earnings*, is being discontinued during the phase-in of the 1980 census-based sample.

As indicated in the May issue, the phase-in, which began in April 1984, was expected to have little or no impact on national metropolitan-nonmetropolitan estimates. However, survey results based on the early stages of the phase-in reveal that there are estimation problems associated with the detail for central cities and suburbs within metropolitan areas and for the farm and nonfarm components of nonmetropolitan areas. Quarterly data for metropolitan and nonmetropolitan aggregates will be made available to users upon request.

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Employment and Unemployment Developments, June 1984

Employment rose in June and unemployment declined. The overall unemployment rate, which includes the resident Armed Forces in the labor force base, was 7.0 percent, and the rate for civilian workers was 7.1 percent. Both of these measures dropped four-tenths of a percentage point over the month; they have decreased by a full percentage point thus far in 1984.

Total civilian employment—as measured by the monthly survey of households—rose by 460,000 to 105.7 million, following an even larger increase in May. The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—advanced by 300,000. Strong growth was registered in construction, durable goods manufacturing, and the services industry.

Unemployment

The civilian worker unemployment rate dropped by 0.4 percentage point to 7.1 percent in June. The number of unemployed persons was down by 385,000, after seasonal adjustment, to 8.1 million; a large part of this decline occurred among reentrants to the labor force. The jobless rate has fallen by 3.6 percentage points from its late 1982 high to the lowest level since April 1980. The number of unemployed has declined by 3.8 million since November 1982. (See tables A-33 and A-41.)

Unemployment rates declined among most major worker groups in June. Decreases were largest for adult women and teenagers, whose rates dropped to 6.4 and 17.6 percent, respectively. The jobless rate for adult men edged down to 6.3 percent, continuing its sharp downward trend. The reduction among teenagers represented the first substantial change in their rate since November 1983. Unemployment rates for both whites and blacks were also lower in June. The rate for black teenagers, which tends to fluctuate quite widely, dropped sharply, to 34.3 percent. There was also a decrease in the unemployment rate for full-time workers. (See tables A-33, A-34, and A-39.)

The decline in unemployment over the month was concentrated among those unemployed from 5 to 26 weeks. The median duration of unemployment also dropped—from 8.7 to 7.2 weeks—while the mean duration was little changed at 18.6 weeks. (See table A-40.)

Civilian labor force and employment

The civilian labor force typically swells in June with the summertime entrance of students and graduates. This June, the labor force increased by 2.1 million, with teenagers accounting for most of the gain. This was essentially in line with seasonal expectations, and thus, after seasonal adjustment, the labor force showed little change over the month. (See table A-33.)

Civilian employment continued to show strong growth in June, rising by 460,000 on a seasonally adjusted basis to 105.7 million. Adult men accounted for nearly two-thirds of this increase and teenagers for most of the remainder.

Discouraged workers

At 1.3 million, the number of discouraged workers—persons who report that they want to work but are not looking for jobs because they believe they cannot find any—was about unchanged between the first and second quarters of 1984 but was down by more than half a million from the fourth quarter 1982 recession high. Almost 3 out of 4 discouraged workers reported job-market factors as their reason for not looking for jobs. (See table A-53.)

Industry payroll employment

Nonfarm payroll employment rose by 300,000 in June to 94.0 million, seasonally adjusted, continuing the strong job gains evident since early 1983. Employment growth was widespread, as more than three-fifths of the 185 industries in the BLS diffusion index registered over-the-month increases. Construction, durable goods manufacturing, and the services industry showed the largest employment gains. (See tables B-4 and B-7.)

Construction employment, which has rebounded strongly during the current recovery period, rose by 75,000 in June to 4.4 million, its highest level since the spring of 1980. Durable goods manufacturing recorded a 70,000 job gain, with most of the strength occurring in fabricated metals, machinery, electrical equipment, and transportation equipment. There was little change in nondurable goods employment for the second month in a row. While manufacturing has continued to grow, job gains in the last 3 months have been considerably less than the average growth earlier in the recovery.

The largest over-the-month increase occurred in services, where employment rose by 130,000. Elsewhere in the service-producing sector, job gains also occurred in both wholesale and retail trade and in transportation and public utilities.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was unchanged in June at 35.3 hours, seasonally adjusted, and has fluctuated around this level since the beginning of the year. Weekly hours and overtime in manufacturing, at 40.6 and 3.3 hours, respectively, were also unchanged in June at levels close to the very high points that prevailed in the January—April period. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 0.6 percent in June to 112.6 (1977 = 100), reflecting the increase in employment. The manufacturing index increased 0.3 percent over the month to 96.3 but was still somewhat below the April level. (See table C-6.)

Hourly and weekly earnings

Average hourly and weekly earnings both increased 0.4 percent in June, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings rose 2 cents to \$8.29, and weekly earnings increased \$3.19 to \$295.12. Over the past year, hourly earnings rose by 31 cents, and weekly earnings were up by \$14.22. (See tables C-1 and C-7.)

Hourly Earnings Index

The Hourly Earnings Index (HEI) was 160.0 (1977 = 100) in June, seasonally adjusted, an increase of 0.3 percent from May. For the 12 months ended in June, the increase (before seasonal adjustment) was 3.2 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.1 percent during the 12-month period ended in May. (See table C-7.)

New Seasonal Adjustment Factors for Household Data Series

*Robert J. McIntire

Since 1980, the Bureau of Labor Statistics has extrapolated and published the seasonal adjustment factors for the major labor force series on a semiannual rather than annual basis. Research had indicated that current seasonal adjustment would be improved during the last 6 months of each year if the 6-month basis were used in place of the previous 12-month basis. Table 1 presents the factors which will be used to seasonally adjust the 12 major labor force components for the last 6 months of 1984. The factors which were used for these components during the first 6 months of 1984 were published in the January 1984 issue of *Employment and Earnings*. The 12 seasonally adjusted series which result from the application of these factors are used in the computation of the seasonally adjusted figures for the national unemployment level and for the overall and civilian employment and labor force levels and unemployment rates. The overall measures include the resident Armed Forces in the employed segment of the labor force, but seasonal factors are not calculated for the resident Armed Forces data since they are considered to have no seasonal component.

The new seasonal factors have been extrapolated using the X-11 ARIMA program with data through June 1984 for each series. The ARIMA models used were the same as those used at the beginning of the year for the extrapolation of the factors for January through June; they were identified in the January issue of this publication. The historical seasonally adjusted data, including the first 6 months of 1984, will not be revised until the beginning of 1985. More detailed information on the adjustment method, the procedures for aggregation, and the revision of historical data is included in the February 1984 issue in the article entitled "Revision of Seasonally Adjusted Labor Force Series."

*Robert J. McIntire is an economist and Chief of the Data Services Group in the Division of Data Development and Users' Services, Bureau of Labor Statistics.

Data for any of the several hundred seasonally adjusted labor force series and the July-December 1984 factors for any of the other independently adjusted series (there are about 175 in addition to the 12 major components) may be obtained from BLS upon request. Requests for data or inquiries concerning seasonal adjustment methodology or the availability of machine-readable files of labor force data should be addressed to the Division of Data Development and Users' Services, Bureau of Labor Statistics, Washington, D.C. 20212.

Table 3. Current seasonal adjustment factors for the 12 major civilian labor force components, July-December 1984

Procedure and series	July	Aug.	Sept.	Oct.	Nov.	Dec.
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Men, 20 years and over	1.095	1.093	1.065	1.055	0.999	0.917
Women, 20 years and over	1.234	1.166	1.101	1.058	.939	.847
Men, 16 to 19 years	1.685	1.613	1.040	.980	.749	.651
Women, 16 to 19 years	1.952	1.740	1.049	.945	.742	.619
Nonagricultural employment:						
Men, 20 years and over	1.012	1.011	1.007	1.005	1.003	.998
Women, 20 years and over	.983	.988	1.006	1.012	1.014	1.010
Unemployment:						
Men, 20 years and over	.942	.924	.890	.900	.947	1.010
Women, 20 years and over	1.023	1.035	1.027	1.007	.981	.953
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Men, 16 to 19 years	882	631	-168	-144	-180	-171
Women, 16 to 19 years	687	524	-136	-114	-78	-10
Unemployment:						
Men, 16 to 19 years	144	-17	-79	-77	4	-16
Women, 16 to 19 years	180	53	14	-12	-33	-125

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1951 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Number	Percent of population	Labor force							Not in labor force
				Total	Resident Armed Forces	Employed			Unemployed		
						Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages											
1951	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093
1953	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 ²	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 ²	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ²	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
Monthly data, seasonally adjusted²											
1983:											
June	175,793	113,573	64.6	102,411	1,668	100,743	3,479	97,264	11,162	9.8	62,220
July	175,970	113,489	64.5	102,889	1,664	101,225	3,499	97,726	10,600	9.3	62,481
August	176,122	113,799	64.6	103,166	1,682	101,484	3,449	98,035	10,633	9.3	62,323
September	176,297	113,924	64.6	103,571	1,695	101,876	3,308	98,568	10,353	9.1	62,373
October	176,474	113,561	64.3	103,665	1,695	101,970	3,240	98,730	9,896	8.7	62,913
November	176,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916
December	176,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985
1984:											
January	177,219	113,901	64.3	104,876	1,686	103,190	3,271	99,918	9,026	7.9	63,318
February	177,363	114,377	64.5	105,576	1,684	103,892	3,395	100,496	8,801	7.7	62,986
March	177,510	114,598	64.6	105,826	1,686	104,140	3,281	100,859	8,772	7.7	62,912
April	177,662	114,938	64.7	106,095	1,693	104,402	3,393	101,009	8,843	7.7	62,724
May	177,813	115,493	65.0	106,978	1,690	105,288	3,389	101,899	8,514	7.4	62,320
June	177,974	115,567	64.9	107,438	1,690	105,748	3,403	102,344	8,130	7.0	62,407

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Revisions of seasonally adjusted monthly and quarterly data (shown in tables A-1 through A-3 and A-32 through A-53 of this publication) for the most recent 5-year period are made at the beginning of each calendar year.

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1973 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian		Number	Percent of labor force		
Annual averages											
MEN											
1973 ¹	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667
1974	72,466	57,397	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069
1975	73,891	57,899	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
Monthly data, seasonally adjusted ²											
1983:											
June	84,014	64,778	77.1	58,369	1,525	56,844	2,784	54,060	6,409	9.9	19,236
July	84,099	64,840	77.1	58,592	1,521	57,071	2,812	54,259	6,248	9.6	19,259
August	84,173	64,807	77.0	58,607	1,538	57,069	2,762	54,307	6,200	9.6	19,366
September	84,261	64,877	77.0	58,828	1,549	57,279	2,676	54,603	6,049	9.3	19,384
October	84,344	64,709	76.7	58,950	1,543	57,407	2,595	54,812	5,759	8.9	19,635
November	84,423	64,846	76.8	59,389	1,534	57,855	2,575	55,280	5,457	8.4	19,577
December	84,506	64,838	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668
1984:											
January	84,745	64,930	76.6	59,781	1,542	58,239	2,605	55,635	5,149	7.9	19,815
February	84,811	65,093	76.8	60,147	1,540	58,607	2,697	55,910	4,946	7.6	19,718
March	84,880	65,156	76.8	60,290	1,542	58,748	2,636	56,112	4,867	7.5	19,724
April	84,953	65,212	76.8	60,293	1,548	58,745	2,720	56,026	4,919	7.5	19,741
May	85,024	65,307	76.8	60,629	1,545	59,084	2,723	56,361	4,678	7.2	19,717
June	85,101	65,452	76.9	60,923	1,545	59,378	2,710	56,668	4,529	6.9	19,649
Annual averages											
WOMEN											
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,386
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181
Monthly data, seasonally adjusted ²											
1983:											
June	91,779	48,795	53.2	44,042	143	43,899	695	43,204	4,753	9.7	42,984
July	91,871	48,649	53.0	44,297	143	44,154	687	43,467	4,352	8.9	43,222
August	91,949	48,992	53.3	44,559	144	44,415	687	43,728	4,433	9.0	42,957
September	92,036	49,047	53.3	44,743	146	44,597	632	43,965	4,304	8.8	42,989
October	92,129	48,852	53.0	44,715	152	44,563	645	43,918	4,137	8.5	43,277
November	92,214	48,874	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340
December	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316
1984:											
January	92,474	48,971	53.0	45,094	144	44,950	667	44,284	3,876	7.9	43,503
February	92,552	49,283	53.2	45,429	144	45,285	698	44,587	3,855	7.8	43,269
March	92,630	49,442	53.4	45,536	144	45,392	646	44,747	3,905	7.9	43,188
April	92,709	49,725	53.6	45,802	145	45,657	673	44,983	3,924	7.9	42,984
May	92,789	50,186	54.1	46,350	145	46,205	666	45,538	3,836	7.6	42,603
June	92,873	50,115	54.0	46,515	145	46,370	693	45,676	3,600	7.2	42,758

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
HISTORICAL**

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1951 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
Annual averages								
1951	104,621	62,017	59.2	59,961	2,055	3.3	2.8	4.4
1952	105,231	62,138	59.0	60,250	1,883	3.0	2.8	3.6
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
Monthly data, seasonally adjusted²								
1983:								
June	174,125	111,905	64.3	100,743	11,162	10.0	10.1	9.8
July	174,306	111,825	64.2	101,225	10,600	9.5	9.9	9.0
August	174,440	112,117	64.3	101,484	10,633	9.5	9.8	9.1
September	174,602	112,229	64.3	101,876	10,353	9.2	9.6	8.8
October	174,779	111,866	64.0	101,970	9,896	8.8	9.1	8.5
November	174,951	112,035	64.0	102,606	9,429	8.4	8.6	8.2
December	175,121	112,136	64.0	102,941	9,195	8.2	8.3	8.1
1984:								
January	175,533	112,215	63.9	103,190	9,026	8.0	8.1	7.9
February	175,679	112,693	64.1	103,892	8,801	7.8	7.8	7.8
March	175,824	112,912	64.2	104,140	8,772	7.8	7.7	7.9
April	175,969	113,245	64.4	104,402	8,843	7.8	7.7	7.9
May	176,123	113,803	64.6	105,288	8,514	7.5	7.3	7.7
June	176,284	113,877	64.6	105,748	8,130	7.1	7.1	7.2

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the

Explanatory Notes.
² The population figures are not adjusted for seasonal variation.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-4. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	June 1984										
	Civilian labor force						Not in labor force				
	Civilian noninstitutional population	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force						
TOTAL											
16 years and over	176,284	115,393	65.5	106,812	8,582	7.4	60,891	31,517	3,982	2,803	22,589
16 to 19 years	14,728	9,520	64.6	7,548	1,972	20.7	5,208	573	2,267	24	2,343
16 to 17 years	7,181	3,821	53.2	2,866	955	25.0	3,360	222	1,518	11	1,609
18 to 19 years	7,547	5,700	75.5	4,682	1,018	17.9	1,847	351	749	13	734
20 to 24 years	20,719	16,737	80.8	14,906	1,831	10.9	3,982	1,970	920	57	1,036
25 to 54 years	92,390	74,360	80.5	70,234	4,126	5.5	18,029	13,364	747	890	3,029
25 to 34 years	39,971	32,612	81.6	30,421	2,191	6.7	7,359	5,434	526	226	1,173
25 to 29 years	20,892	17,077	81.7	15,798	1,279	7.5	3,815	2,765	363	88	600
30 to 34 years	19,079	15,535	81.4	14,623	913	5.9	3,544	2,669	163	139	574
35 to 44 years	30,201	24,745	81.9	23,507	1,238	5.0	5,456	4,252	160	238	806
35 to 39 years	16,712	13,740	82.2	12,967	772	5.6	2,972	2,339	90	116	418
40 to 44 years	13,489	11,005	81.6	10,539	466	4.2	2,484	1,903	70	123	389
45 to 54 years	22,216	17,002	76.5	16,305	697	4.1	5,214	3,678	62	425	1,049
45 to 49 years	11,296	8,910	78.9	8,517	392	4.4	2,386	1,740	43	173	431
50 to 54 years	10,920	8,092	74.1	7,787	305	3.8	2,828	1,939	19	252	618
55 to 64 years	22,054	11,935	54.1	11,373	561	4.7	10,120	5,559	33	749	3,779
55 to 59 years	11,292	7,223	64.0	6,860	363	5.0	4,068	2,520	23	385	1,140
60 to 64 years	10,763	4,711	43.8	4,513	198	4.2	6,051	3,039	11	364	2,638
65 years and over	26,394	2,842	10.8	2,752	91	3.2	23,552	10,051	14	1,084	12,403
65 to 69 years	8,968	1,589	17.7	1,541	48	3.0	7,379	3,160	5	243	3,971
70 years and over	17,426	1,253	7.2	1,209	44	3.5	16,173	6,892	9	841	8,432
Men											
16 years and over	83,556	65,257	78.1	60,593	4,664	7.1	18,299	448	1,914	1,633	14,303
16 to 19 years	7,380	5,032	68.2	4,007	1,025	20.4	2,347	17	1,136	18	1,176
16 to 17 years	3,646	2,069	56.7	1,549	519	25.1	1,577	5	761	9	803
18 to 19 years	3,734	2,964	79.4	2,458	506	17.1	770	12	376	9	373
20 to 24 years	10,124	9,115	90.0	8,113	1,003	11.0	1,008	24	411	28	545
25 to 54 years	44,996	42,356	94.1	40,086	2,270	5.4	2,639	147	353	613	1,527
25 to 34 years	19,582	18,516	94.6	17,299	1,217	6.6	1,066	74	266	168	558
25 to 29 years	10,248	9,639	94.1	8,925	714	7.4	609	54	195	68	293
30 to 34 years	9,334	8,877	95.1	8,374	504	5.7	457	20	71	100	266
35 to 44 years	14,694	14,034	95.5	13,336	699	5.0	660	48	71	172	369
35 to 39 years	8,137	7,783	95.6	7,343	439	5.6	354	30	45	87	193
40 to 44 years	6,557	6,252	95.3	5,992	260	4.2	305	18	26	85	176
45 to 54 years	10,720	9,806	91.5	9,452	354	3.6	914	25	16	272	600
45 to 49 years	5,476	5,123	93.6	4,927	196	3.8	353	10	15	106	223
50 to 54 years	5,243	4,682	89.3	4,524	158	3.4	561	16	2	166	377
55 to 64 years	10,285	7,035	68.4	6,709	326	4.6	3,250	74	13	508	2,656
55 to 59 years	5,319	4,258	80.0	4,061	197	4.6	1,062	33	7	255	766
60 to 64 years	4,966	2,778	55.9	2,648	129	4.7	2,188	41	6	252	1,890
65 years and over	10,771	1,717	15.9	1,678	39	2.3	9,054	186	-	467	8,400
65 to 69 years	3,996	935	23.4	909	26	2.7	3,061	62	1	133	2,865
70 years and over	6,775	782	11.5	768	14	1.8	5,993	125	-	334	5,535
Women											
16 years and over	92,728	50,136	54.1	46,219	3,917	7.8	42,592	31,069	2,067	1,170	8,285
16 to 19 years	7,348	4,488	61.1	3,541	947	21.1	2,860	557	1,130	6	1,167
16 to 17 years	3,535	1,752	49.6	1,317	435	24.8	1,783	218	757	2	806
18 to 19 years	3,813	2,736	71.8	2,224	512	18.7	1,077	339	373	4	361
20 to 24 years	10,595	7,621	71.9	6,793	828	10.9	2,974	1,945	509	28	491
25 to 54 years	47,394	32,003	67.5	30,147	1,856	5.8	15,390	13,217	394	277	1,502
25 to 34 years	20,390	14,096	69.1	13,122	974	6.9	6,293	5,360	260	59	615
25 to 29 years	10,644	7,438	69.9	6,873	565	7.6	3,206	2,711	168	20	307
30 to 34 years	9,745	6,658	68.3	6,249	409	6.1	3,087	2,649	92	39	308
35 to 44 years	15,507	10,711	69.1	10,171	539	5.0	4,796	4,204	89	66	438
35 to 39 years	8,575	5,957	69.5	5,624	333	5.6	2,618	2,319	45	29	225
40 to 44 years	6,932	4,753	68.6	4,547	206	4.3	2,179	1,885	44	38	213
45 to 54 years	11,497	7,196	62.6	6,854	343	4.8	4,300	3,653	45	153	449
45 to 49 years	5,820	3,787	65.1	3,590	196	5.2	2,033	1,730	28	67	208
50 to 54 years	5,677	3,410	60.1	3,263	147	4.3	2,267	1,923	17	86	241
55 to 64 years	11,769	4,899	41.6	4,664	235	4.8	6,870	5,485	21	241	1,123
55 to 59 years	5,972	2,965	49.7	2,800	166	5.6	3,007	2,487	16	130	374
60 to 64 years	5,797	1,934	33.4	1,865	69	3.6	3,863	2,998	5	112	749
65 years and over	15,623	1,125	7.2	1,074	51	4.6	14,498	9,865	13	617	4,003
65 to 69 years	4,972	654	13.2	632	22	3.3	4,318	3,098	4	110	1,106
70 years and over	10,651	471	4.4	441	30	6.3	10,180	6,767	9	507	2,897

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	June 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed Number	Percent of labor force	Total	Keeping house	Going to school	Unable to work	Other reasons
WHITE											
16 years and over	152,295	100,090	65.7	93,772	6,319	6.3	52,205	27,778	2,768	2,218	19,440
16 to 19 years	12,128	8,253	68.0	6,809	1,444	17.5	3,875	444	1,579	18	1,834
16 to 17 years	5,906	3,348	56.7	2,623	725	21.7	2,559	177	1,077	6	1,299
18 to 19 years	6,221	4,905	78.8	4,186	719	14.6	1,316	266	503	12	535
20 to 24 years	17,374	14,379	82.8	13,095	1,283	8.9	2,996	1,547	635	50	764
25 to 54 years	79,296	64,190	80.9	61,166	3,026	4.7	15,106	11,586	516	642	2,363
25 to 34 years	33,891	27,883	82.3	26,359	1,524	5.5	6,008	4,626	358	174	850
25 to 29 years	17,705	14,606	82.5	13,726	880	6.0	3,099	2,344	247	64	444
30 to 34 years	16,186	13,277	82.0	12,633	643	4.8	2,909	2,283	111	110	406
35 to 44 years	26,072	21,408	82.1	20,462	947	4.4	4,664	3,749	118	161	635
35 to 39 years	14,372	11,831	82.3	11,264	567	7.0	2,541	2,083	59	80	330
40 to 44 years	11,700	9,577	81.9	9,198	379	4.0	2,123	1,689	59	82	305
45 to 54 years	19,333	14,900	77.1	14,345	555	3.7	4,434	3,209	40	307	878
45 to 49 years	9,777	7,766	79.4	7,448	320	4.1	2,011	1,526	28	122	348
50 to 54 years	9,556	7,133	74.6	6,898	236	4.5	2,423	1,716	12	185	530
55 to 64 years	19,629	10,691	54.5	10,206	485	4.5	8,938	4,989	28	608	3,312
55 to 59 years	10,015	6,465	64.6	6,150	316	4.9	3,550	2,260	19	317	954
60 to 64 years	9,613	4,226	44.0	4,056	170	4.0	5,387	2,729	9	290	2,358
65 years and over	23,869	2,577	10.8	2,496	81	3.1	21,292	9,215	10	901	11,167
65 to 69 years	8,105	1,441	17.8	1,401	40	2.8	6,664	2,876	4	192	3,592
70 years and over	15,764	1,136	7.2	1,095	40	3.5	14,628	6,339	6	709	7,575
Men											
16 years and over	72,720	57,340	78.9	53,897	3,444	6.0	15,380	359	1,357	1,282	12,383
16 to 19 years	6,089	4,350	71.4	3,606	744	17.1	1,739	6	810	13	909
16 to 17 years	3,010	1,806	60.0	1,415	390	21.6	1,204	4	548	4	648
18 to 19 years	3,080	2,545	82.6	2,191	354	13.9	535	2	262	9	262
20 to 24 years	8,565	7,858	91.7	7,162	695	8.8	708	15	293	26	374
25 to 54 years	39,083	37,143	95.0	35,466	1,677	4.5	1,940	124	242	438	1,136
25 to 34 years	16,821	16,076	95.6	15,209	867	5.4	745	63	184	128	370
25 to 29 years	8,796	8,360	95.0	7,863	497	5.9	436	45	140	45	206
30 to 34 years	8,026	7,717	96.1	7,346	370	4.8	309	19	44	83	164
35 to 44 years	12,834	12,355	96.3	11,827	528	4.3	479	36	52	111	280
35 to 39 years	7,078	6,822	96.4	6,509	313	4.6	256	22	31	54	149
40 to 44 years	5,756	5,533	96.1	5,318	215	3.9	223	14	21	57	131
45 to 54 years	9,428	8,712	92.4	8,430	281	3.2	716	24	7	200	486
45 to 49 years	4,793	4,536	94.6	4,380	157	3.5	257	9	6	74	167
50 to 54 years	4,635	4,175	90.1	4,051	125	3.0	459	15	-	126	319
55 to 64 years	9,228	6,424	69.6	6,130	295	4.6	2,803	51	12	408	2,332
55 to 59 years	4,761	3,882	81.5	3,700	181	4.7	880	25	7	209	639
60 to 64 years	4,466	2,543	56.9	2,430	113	4.4	1,923	26	5	199	1,693
65 years and over	9,755	1,565	16.0	1,532	33	2.1	8,190	163	-	396	7,631
65 to 69 years	3,638	853	23.5	833	20	2.4	2,785	53	-	113	2,618
70 years and over	6,118	712	11.6	699	12	1.8	5,406	110	-	283	5,013
Women											
16 years and over	79,575	42,750	53.7	39,875	2,875	6.7	36,825	27,420	1,411	937	7,057
16 to 19 years	6,039	3,903	64.6	3,203	700	17.9	2,136	437	769	5	925
16 to 17 years	2,897	1,542	53.2	1,207	335	21.7	1,355	173	529	2	651
18 to 19 years	3,142	2,360	75.1	1,996	365	15.5	781	264	241	3	273
20 to 24 years	8,809	6,521	74.0	5,933	588	9.0	2,288	1,531	343	23	391
25 to 54 years	40,213	27,047	67.3	25,700	1,349	5.0	13,166	11,462	274	204	1,227
25 to 34 years	17,069	11,807	69.2	11,150	656	5.6	5,263	4,563	174	46	479
25 to 29 years	8,909	6,246	70.1	5,863	383	6.1	2,663	2,299	107	19	238
30 to 34 years	8,160	5,560	68.1	5,287	273	4.9	2,600	2,264	67	27	242
35 to 44 years	13,238	9,053	68.4	8,635	418	4.6	4,185	3,713	66	51	355
35 to 39 years	7,294	5,009	68.7	4,755	254	5.1	2,285	2,049	28	26	181
40 to 44 years	5,944	4,044	68.0	3,880	164	4.1	1,900	1,664	38	25	174
45 to 54 years	9,906	6,188	62.5	5,914	274	4.4	3,718	3,185	34	107	392
45 to 49 years	4,984	3,230	64.8	3,068	163	5.0	1,754	1,503	22	48	181
50 to 54 years	4,921	2,958	60.1	2,847	111	3.8	1,964	1,682	12	59	211
55 to 64 years	10,401	4,267	41.0	4,076	191	4.5	6,134	4,938	17	200	980
55 to 59 years	5,254	2,584	49.2	2,449	134	5.2	2,670	2,234	12	108	315
60 to 64 years	5,147	1,683	32.7	1,627	56	3.4	3,464	2,703	4	91	665
65 years and over	14,113	1,012	7.2	963	48	4.8	13,102	9,502	9	505	3,536
65 to 69 years	4,467	588	13.2	568	20	3.5	3,879	2,823	4	79	974
70 years and over	9,646	424	4.4	396	28	6.6	9,222	6,229	6	426	2,562

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	Civilian noninstitutional population	June 1984									
		Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed Number	Percent of labor force	Total	Keeping house	Going to school	Unable to work	Other reasons
BLACK											
16 years and over	19,330	12,230	63.3	10,222	2,009	16.4	7,100	2,978	920	528	2,672
16 to 19 years	2,161	1,042	48.2	579	464	44.5	1,119	119	571	6	422
16 to 17 years	1,053	384	36.4	180	203	53.0	670	39	377	5	248
18 to 19 years	1,108	658	59.5	398	260	39.5	449	80	194	1	174
20 to 24 years	2,783	1,971	70.8	1,484	487	24.7	812	377	194	7	233
25 to 54 years	10,231	7,994	78.1	7,008	986	12.3	2,237	1,318	147	215	557
25 to 34 years	4,785	3,795	79.3	3,178	617	16.3	990	583	104	43	259
25 to 29 years	2,564	2,027	79.1	1,653	375	18.5	536	319	79	19	120
30 to 34 years	2,220	1,767	79.6	1,525	242	13.7	454	264	24	25	140
35 to 44 years	3,160	2,544	80.5	2,298	246	9.7	616	377	30	65	145
35 to 39 years	1,756	1,425	81.2	1,256	169	11.9	331	205	22	30	76
40 to 44 years	1,404	1,119	79.7	1,043	76	6.8	285	172	9	35	69
45 to 54 years	2,286	1,656	72.4	1,532	124	7.5	631	358	13	107	153
45 to 49 years	1,190	901	75.7	833	68	7.5	289	162	11	44	72
50 to 54 years	1,096	755	68.9	698	56	7.4	342	197	2	64	80
55 to 64 years	1,976	997	50.4	935	62	6.3	979	451	5	129	395
55 to 59 years	1,046	614	58.7	577	37	6.0	432	210	4	63	156
60 to 64 years	931	383	41.2	358	26	6.7	547	241	1	66	239
65 years and over	2,178	226	10.4	217	9	3.9	1,953	713	3	171	1,065
65 to 69 years	734	126	17.2	121	6	4.8	608	231	-	45	332
70 years and over	1,444	99	6.9	97	3	3.0	1,345	482	4	127	733
Men											
16 years and over	8,644	6,259	72.4	5,180	1,079	17.2	2,385	75	391	315	1,602
16 to 19 years	1,055	556	52.7	316	240	43.2	499	11	263	5	219
16 to 17 years	522	214	40.9	102	112	52.5	309	1	179	4	123
18 to 19 years	532	342	64.3	214	128	37.4	190	10	84	1	96
20 to 24 years	1,291	1,061	82.1	786	274	25.9	231	7	69	2	151
25 to 54 years	4,582	4,036	88.1	3,507	528	13.1	545	19	59	151	317
25 to 34 years	2,163	1,934	89.5	1,614	320	16.6	228	11	42	32	142
25 to 29 years	1,164	1,047	90.0	845	202	19.3	116	9	30	18	60
30 to 34 years	998	887	88.8	769	118	13.3	112	2	12	15	83
35 to 44 years	1,408	1,257	89.3	1,109	148	11.8	151	6	12	55	79
35 to 39 years	785	703	89.6	593	110	15.7	82	3	9	30	41
40 to 44 years	623	554	88.9	516	38	6.9	69	3	3	25	38
45 to 54 years	1,011	845	83.5	784	61	7.2	167	2	5	64	96
45 to 49 years	529	453	85.6	418	35	7.7	76	1	5	26	44
50 to 54 years	483	392	81.2	366	26	6.6	91	1	-	39	51
55 to 64 years	857	479	55.9	451	28	5.8	378	17	1	91	270
55 to 59 years	453	302	66.7	288	14	4.7	151	5	-	44	102
60 to 64 years	405	177	43.8	163	14	7.7	227	12	1	46	168
65 years and over	858	127	14.8	119	8	6.1	732	21	-	66	645
65 to 69 years	307	70	22.9	65	6	(¹)	237	9	-	17	211
70 years and over	552	57	10.3	55	2	(¹)	495	12	-	50	434
Women											
16 years and over	10,686	5,971	55.9	5,042	930	15.6	4,715	2,904	529	212	1,070
16 to 19 years	1,106	486	43.9	263	224	46.0	620	108	308	1	203
16 to 17 years	531	170	32.0	79	91	53.7	361	38	198	1	125
18 to 19 years	576	317	55.0	184	132	41.8	259	70	110	-	78
20 to 24 years	1,492	910	61.0	697	213	23.4	581	370	125	5	82
25 to 54 years	5,649	3,958	70.1	3,501	458	11.6	1,692	1,299	88	64	240
25 to 34 years	2,622	1,861	70.9	1,564	297	15.9	762	572	62	11	117
25 to 29 years	1,400	980	70.0	808	173	17.6	420	310	49	1	60
30 to 34 years	1,222	880	72.0	756	124	14.1	342	262	12	10	57
35 to 44 years	1,752	1,287	73.4	1,190	97	7.6	465	371	18	10	66
35 to 39 years	971	722	74.4	663	59	8.2	249	202	13	-	35
40 to 44 years	781	565	72.3	527	38	6.8	216	169	6	10	31
45 to 54 years	1,275	810	63.6	747	63	7.8	464	356	8	43	57
45 to 49 years	661	448	67.7	415	33	7.3	213	161	6	18	28
50 to 54 years	613	363	59.1	332	30	8.4	251	196	2	25	29
55 to 64 years	1,119	518	46.3	483	35	6.7	601	434	4	38	125
55 to 59 years	593	311	52.5	289	22	7.2	281	205	4	19	54
60 to 64 years	526	207	39.2	194	12	5.9	320	229	-	20	71
65 years and over	1,320	99	7.5	98	1	1.0	1,221	692	4	105	420
65 to 69 years	427	56	13.2	56	-	(¹)	371	222	-	28	121
70 years and over	892	42	4.8	42	1	(¹)	850	470	4	77	299

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

Age and sex	Civilian noninstitutional population	June 1984							Not in labor force
		Total	Percent of population	Civilian labor force			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	23,989	15,303	63.8	13,040	259	12,781	2,263	14.8	8,686
16 to 19 years	2,600	1,267	48.7	739	18	721	528	41.7	1,333
16 to 17 years	1,274	473	37.1	243	12	231	229	48.5	802
18 to 19 years	1,326	795	59.9	496	6	490	299	37.6	531
20 to 24 years	3,344	2,358	70.5	1,810	24	1,786	548	23.2	986
25 to 54 years	13,094	10,169	77.7	9,068	169	8,898	1,100	10.8	2,924
25 to 34 years	6,081	4,729	77.8	4,062	61	4,001	667	14.1	1,352
25 to 29 years	3,187	2,471	77.5	2,072	26	2,046	399	16.1	716
30 to 34 years	2,894	1,230	42.5	1,989	35	1,955	268	21.8	636
35 to 44 years	4,129	3,337	80.8	3,045	66	2,980	291	8.7	793
35 to 39 years	2,340	1,908	81.5	1,703	36	1,667	205	10.7	432
40 to 44 years	1,789	1,428	79.8	1,342	29	1,312	87	6.1	361
45 to 54 years	2,883	2,103	72.9	1,960	42	1,918	142	6.8	780
45 to 49 years	1,519	1,143	75.2	1,070	27	1,044	74	6.5	375
50 to 54 years	1,363	959	70.4	891	16	875	69	7.2	404
55 to 64 years	2,426	1,243	51.3	1,167	34	1,134	76	6.1	1,182
55 to 59 years	1,276	758	59.3	711	16	695	47	6.2	518
60 to 64 years	1,150	485	42.2	456	18	439	29	5.9	664
65 years and over	2,526	266	10.5	256	14	242	10	3.7	2,260
65 to 69 years	863	148	17.1	141	2	140	7	4.7	715
70 years and over	1,663	117	7.0	115	12	103	29	24.8	1,545
Men									
16 years and over	10,835	7,917	73.1	6,696	227	6,469	1,221	15.4	2,919
16 to 19 years	1,291	682	52.9	401	14	387	281	41.2	608
16 to 17 years	636	263	41.3	134	11	123	129	49.0	373
18 to 19 years	655	419	64.1	267	4	263	152	36.3	235
20 to 24 years	1,558	1,258	80.7	950	22	929	307	24.4	300
25 to 54 years	5,914	5,214	88.2	4,620	148	4,472	593	11.4	699
25 to 34 years	2,761	2,440	88.4	2,090	57	2,033	350	14.3	321
25 to 29 years	1,452	1,279	88.1	1,062	22	1,041	217	17.0	173
30 to 34 years	1,309	1,161	88.7	1,027	35	993	133	11.5	148
35 to 44 years	1,861	1,680	90.3	1,509	56	1,453	171	10.2	181
35 to 39 years	1,059	960	90.7	834	29	805	126	13.1	99
40 to 44 years	801	719	89.7	675	27	647	45	6.2	82
45 to 54 years	1,292	1,094	84.7	1,021	35	986	73	6.7	198
45 to 49 years	683	587	85.9	547	20	528	40	6.8	96
50 to 54 years	608	507	83.3	474	16	458	33	6.5	101
55 to 64 years	1,057	611	57.8	579	29	550	32	5.2	447
55 to 59 years	558	376	67.4	361	13	348	16	4.1	182
60 to 64 years	499	235	47.0	218	16	203	16	7.0	265
65 years and over	1,016	152	15.0	145	14	132	7	4.5	864
65 to 69 years	358	82	22.9	76	2	75	6	6.7	276
70 years and over	658	70	10.7	69	12	57	1	(¹)	587
Women									
16 years and over	13,154	7,386	56.2	6,344	32	6,312	1,042	14.1	5,767
16 to 19 years	1,309	585	44.7	338	4	334	247	42.3	724
16 to 17 years	638	210	32.9	109	2	108	100	47.9	428
18 to 19 years	671	375	55.9	228	2	226	147	39.1	296
20 to 24 years	1,786	1,100	61.6	860	2	858	241	21.9	686
25 to 54 years	7,180	4,955	69.0	4,448	21	4,426	507	10.2	2,225
25 to 34 years	3,320	2,289	69.0	1,972	5	1,967	317	13.9	1,031
25 to 29 years	1,735	1,192	68.7	1,010	4	1,005	182	15.3	543
30 to 34 years	1,585	1,098	69.2	962	-	962	135	12.3	488
35 to 44 years	2,269	1,657	73.0	1,536	9	1,527	121	7.3	612
35 to 39 years	1,281	948	74.0	869	7	862	79	8.3	333
40 to 44 years	988	709	71.8	667	2	665	42	5.9	279
45 to 54 years	1,591	1,009	63.4	939	7	932	69	6.9	583
45 to 49 years	836	556	66.6	523	7	516	34	6.1	279
50 to 54 years	755	452	59.9	417	-	417	36	7.9	303
55 to 64 years	1,368	632	46.2	588	5	583	44	7.0	736
55 to 59 years	718	382	53.2	350	3	347	32	8.3	336
60 to 64 years	650	251	38.6	238	2	236	13	5.0	399
65 years and over	1,510	113	7.5	111	-	110	3	2.6	1,396
65 to 69 years	505	66	13.1	65	-	65	1	(¹)	439
70 years and over	1,005	47	4.7	46	-	46	2	(¹)	958

¹ Data not shown where base is less than 75,000.

A-6. Employment status of the civilian noninstitutional population by race, sex, and age

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
TOTAL								
Civilian noninstitutional population	174,125	176,284	74,814	76,176	84,008	85,380	15,303	14,728
Civilian labor force	113,383	115,393	59,267	60,224	44,249	45,649	9,867	9,520
Percent of population	65.1	65.5	79.2	79.1	52.7	53.5	64.5	64.6
Employed	101,813	106,812	54,078	56,585	40,394	42,678	7,341	7,548
Agriculture	3,977	3,879	2,683	2,657	763	750	530	473
Nonagricultural industries	97,836	102,932	51,395	53,929	39,631	41,928	6,811	7,075
Unemployed	11,570	8,582	5,188	3,639	3,855	2,970	2,527	1,972
Unemployment rate	10.2	7.4	8.8	6.0	8.7	6.5	25.6	20.7
Not in labor force	60,742	60,891	15,548	15,951	39,759	39,732	5,436	5,208
White								
Civilian noninstitutional population	150,810	152,295	65,631	66,631	72,539	73,536	12,640	12,128
Civilian labor force	98,488	100,090	52,202	52,990	37,741	38,847	8,545	8,253
Percent of population	65.3	65.7	79.5	79.5	52.0	52.8	67.6	68.0
Employed	89,890	93,772	48,235	50,291	34,934	36,672	6,720	6,809
Agriculture	3,711	3,621	2,487	2,445	726	722	498	455
Nonagricultural industries	86,179	90,151	45,748	47,846	34,209	35,950	6,222	6,354
Unemployed	8,598	6,319	3,967	2,700	2,806	2,175	1,825	1,444
Unemployment rate	8.7	6.3	7.6	5.1	7.4	5.6	21.4	17.5
Not in labor force	52,322	52,205	13,429	13,641	34,798	34,689	4,095	3,875
Black								
Civilian noninstitutional population	18,911	19,330	7,352	7,589	9,329	9,580	2,230	2,161
Civilian labor force	11,988	12,230	5,614	5,703	5,284	5,485	1,090	1,042
Percent of population	63.4	63.3	76.4	75.1	56.6	57.3	48.9	48.2
Employed	9,389	10,222	4,558	4,864	4,353	4,779	478	579
Agriculture	198	187	145	152	25	20	28	15
Nonagricultural industries	9,191	10,035	4,413	4,712	4,328	4,759	450	564
Unemployed	2,599	2,009	1,055	839	931	706	612	464
Unemployment rate	21.7	16.4	18.8	14.7	17.6	12.9	56.2	44.5
Not in labor force	6,923	7,100	1,738	1,886	4,045	4,095	1,140	1,119

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	June 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	22,746	11,297	11,449	18,803	9,385	9,418	3,276	1,578	1,698
Civilian labor force	15,910	8,479	7,431	13,733	7,309	6,424	1,796	969	827
Percent of population	69.9	75.0	64.9	73.0	77.9	68.2	54.8	61.5	48.7
Employed	13,107	7,030	6,077	11,708	6,277	5,431	1,106	610	496
Agriculture	700	564	137	676	543	133	18	16	2
Nonagricultural industries	12,406	6,466	5,940	11,032	5,734	5,298	1,088	594	494
Unemployed	2,803	1,449	1,354	2,025	1,032	993	690	359	331
Looking for full-time work	2,020	1,065	955	1,447	751	696	528	283	244
Looking for part-time work	783	384	399	578	282	297	162	76	87
Percent of labor force	17.6	17.1	18.2	14.7	14.1	15.5	38.4	37.0	40.0
Not in labor force	6,836	2,819	4,018	5,070	2,076	2,994	1,480	608	872
Major activity: Going to school									
Civilian noninstitutional population	4,015	1,972	2,042	2,977	1,484	1,493	834	382	452
Civilian labor force	1,250	632	618	1,042	524	518	163	82	81
Percent of population	31.1	32.1	30.3	35.0	35.3	34.7	19.5	21.6	17.8
Employed	916	451	465	837	412	424	49	24	25
Agriculture	22	8	14	25	11	14	-	-	-
Nonagricultural industries	894	443	451	812	401	410	51	26	25
Unemployed	334	181	153	205	111	94	114	59	55
Looking for full-time work	119	65	54	72	37	34	45	26	19
Looking for part-time work	215	116	99	133	74	59	69	32	37
Percent of labor force	26.7	28.6	24.8	19.7	21.3	18.1	70.1	72.0	68.8
Not in labor force	2,764	1,340	1,424	1,935	960	975	671	299	372
Major activity: Other									
Civilian noninstitutional population	18,732	9,325	9,407	15,826	7,901	7,925	2,442	1,196	1,246
Civilian labor force	14,659	7,846	6,813	12,692	6,786	5,906	1,633	887	746
Percent of population	78.3	84.1	72.4	80.2	85.9	74.5	66.9	74.2	59.9
Employed	12,191	6,579	5,612	10,871	5,865	5,007	1,057	587	470
Agriculture	678	555	123	650	532	119	20	18	2
Nonagricultural industries	11,513	6,024	5,489	10,221	5,333	4,888	1,037	568	469
Unemployed	2,469	1,268	1,201	1,820	921	899	576	301	276
Looking for full-time work	1,901	1,000	902	1,375	713	662	483	257	225
Looking for part-time work	567	268	299	445	208	238	94	43	50
Percent of labor force	16.8	16.2	17.6	14.3	13.6	15.2	35.3	33.9	36.9
Not in labor force	4,072	1,479	2,594	3,134	1,115	2,019	809	309	500

A-8. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	June 1983	June 1984	Total		Employed		Unemployed		Percent of labor force	
			June 1983	June 1984	June 1983	June 1984	Number		Percent of labor force	
							June 1983	June 1984	June 1983	June 1984
VETERANS										
Total, 25 years and over	7,843	7,917	7,367	7,425	6,748	7,025	619	400	8.4	5.4
25 to 29 years	5,878	5,515	5,639	5,312	5,113	4,997	526	315	9.3	5.9
25 to 29 years	684	488	637	459	538	415	99	44	15.5	9.6
30 to 34 years	2,171	1,747	2,094	1,684	1,887	1,576	207	108	9.9	6.4
35 to 39 years	3,023	3,280	2,908	3,169	2,688	3,006	220	163	7.6	5.1
40 years and over	1,965	2,402	1,728	2,113	1,635	2,028	93	85	5.4	4.0
NONVETERANS										
Total, 25 to 39 years	19,970	21,067	18,915	19,913	17,197	18,706	1,718	1,207	9.1	6.1
25 to 29 years	8,691	8,955	8,190	8,427	7,323	7,859	867	568	10.6	6.7
30 to 34 years	6,759	7,370	6,441	6,983	5,912	6,612	529	371	8.2	5.3
35 to 39 years	4,520	4,742	4,284	4,503	3,962	4,235	322	268	7.5	6.0

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-9. Full- and part-time status of the civilian labor force by sex, age, and race

(Numbers in thousands)

Sex, age, and race	June 1984								
	Total	Full-time labor force				Part-time labor force			
		Employed		Unemployed (looking for full-time work)		Employed on voluntary part time ¹	Unemployed (looking for part-time work)		
		Full-time schedules ¹	Part time for 'economic' reasons	Number	Percent of full-time labor force		Number	Percent of part-time labor force	
TOTAL									
Total, 16 years and over	100,895	87,290	6,450	7,155	7.1	14,498	13,072	1,426	9.8
16 to 19 years	6,308	3,410	1,576	1,323	21.0	3,212	2,563	650	20.2
16 to 17 years	1,934	733	688	513	26.5	1,886	1,445	441	23.4
18 to 19 years	4,374	2,677	888	809	18.5	1,326	1,117	208	15.7
20 years and over	94,587	83,881	4,874	5,833	6.2	11,286	10,509	777	6.9
20 to 24 years	14,837	11,736	1,478	1,623	10.9	1,899	1,691	208	10.9
25 years and over	79,749	72,145	3,396	4,210	5.3	9,386	8,818	568	6.1
25 to 54 years	67,845	61,285	2,836	3,725	5.5	6,514	6,112	401	6.2
55 years and over	11,904	10,860	560	485	4.1	2,873	2,705	167	5.8
Men, 16 years and over	61,030	53,870	3,067	4,092	6.7	4,227	3,655	572	13.5
16 to 19 years	3,519	2,023	807	689	19.6	1,514	1,178	336	22.2
20 years and over	57,511	51,847	2,261	3,403	5.9	2,713	2,478	236	8.7
20 to 24 years	8,418	6,791	712	915	10.9	698	610	87	12.5
25 years and over	49,093	45,056	1,549	2,489	5.1	2,016	1,868	149	7.4
25 to 54 years	41,480	38,017	1,286	2,177	5.2	877	783	94	10.7
55 years and over	7,613	7,039	262	312	4.1	1,139	1,085	55	4.8
Women, 16 years and over	39,866	33,420	3,382	3,063	7.7	10,271	9,416	854	8.3
16 to 19 years	2,789	1,387	769	634	22.7	1,698	1,385	313	18.4
20 years and over	37,076	32,033	2,613	2,429	6.6	8,572	8,031	541	6.3
20 to 24 years	6,420	4,945	767	708	11.0	1,202	1,081	121	10.0
25 years and over	30,657	27,088	1,846	1,721	5.6	7,371	6,950	421	5.7
25 to 54 years	26,366	23,268	1,550	1,548	5.9	5,637	5,329	308	5.5
55 years and over	4,291	3,820	297	173	4.0	1,733	1,621	113	6.5
White									
Men, 16 years and over	53,619	48,124	2,492	3,004	5.6	3,721	3,281	440	11.8
16 to 19 years	3,010	1,858	664	488	16.2	1,340	1,084	256	19.1
20 years and over	50,609	46,266	1,827	2,516	5.0	2,381	2,197	184	7.7
20 to 24 years	7,252	6,061	551	640	8.8	606	551	55	9.1
25 years and over	43,357	40,205	1,277	1,875	4.3	1,776	1,647	128	7.2
25 to 54 years	36,419	33,766	1,056	1,597	4.4	724	644	80	11.0
55 years and over	6,938	6,439	221	278	4.0	1,052	1,003	48	4.6
Women, 16 years and over	33,493	28,527	2,780	2,186	6.5	9,257	8,568	689	7.4
16 to 19 years	2,386	1,264	659	463	19.4	1,517	1,280	237	15.6
20 years and over	31,107	27,263	2,121	1,723	5.5	7,740	7,288	452	5.8
20 to 24 years	5,495	4,383	615	497	9.0	1,026	936	91	8.8
25 years and over	25,612	22,881	1,506	1,226	4.8	6,713	6,353	361	5.4
25 to 54 years	21,876	19,526	1,263	1,087	5.0	5,172	4,911	262	5.1
55 years and over	3,737	3,355	243	139	3.7	1,541	1,442	99	6.4
Black									
Men, 16 years and over	5,892	4,422	492	978	16.6	367	266	102	27.7
16 to 19 years	439	130	127	182	41.5	117	59	58	49.7
20 years and over	5,453	4,292	365	796	14.6	250	207	43	17.4
20 to 24 years	987	594	144	249	25.2	73	48	25	(²)
25 years and over	4,466	3,699	220	546	12.2	177	159	19	10.7
25 to 54 years	3,929	3,227	185	516	13.1	108	95	13	12.0
55 years and over	537	472	35	30	5.6	69	64	6	(²)
Women, 16 years and over	5,200	3,876	528	796	15.3	771	637	134	17.4
16 to 19 years	349	95	93	162	46.4	137	75	62	45.0
20 years and over	4,851	3,782	435	634	13.1	634	562	72	11.4
20 to 24 years	776	459	130	187	24.1	134	108	26	19.5
25 years and over	4,074	3,323	306	427	10.5	501	455	47	9.4
25 to 54 years	3,626	2,950	255	421	11.6	333	297	36	10.8
55 years and over	448	373	51	6	1.4	168	158	11	6.5

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

² Data not shown where base is less than 75,000.

A-10. Employment status of persons in families by family relationship

(Numbers in thousands)

Family relationship	June 1984									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	95,789	66.1	88,461	7,329	7.7	49,150	25,707	3,600	2,129	17,713
Husbands	39,245	79.1	37,667	1,579	4.0	10,373	168	151	991	9,062
With employed wife	22,553	92.0	21,703	851	3.8	1,954	70	76	304	1,504
With unemployed wife	1,226	90.6	1,087	139	11.3	127	-	5	39	84
With wife not in labor force	15,466	65.1	14,877	589	3.8	8,291	99	70	549	7,474
Wives	25,861	52.1	24,507	1,353	5.2	23,757	20,432	236	312	2,777
With employed husband	22,790	60.5	21,703	1,087	4.8	14,877	13,473	197	101	1,105
With unemployed husband	990	62.7	851	139	14.0	589	531	13	8	37
With husband not in labor force	2,081	20.1	1,954	127	6.1	8,291	6,429	26	203	1,634
Relatives in married-couple families	15,641	71.4	13,405	2,236	14.3	6,265	924	2,064	310	2,967
16 to 19 years	6,600	67.1	5,438	1,162	17.6	3,235	195	1,449	13	1,579
20 to 24 years	6,170	83.7	5,417	753	12.2	1,201	150	513	29	509
25 years and over	2,871	61.1	2,550	321	11.2	1,829	579	102	268	879
Women who maintain families	6,163	61.2	5,553	610	9.9	3,913	2,917	104	174	718
Relatives in families maintained by women	5,635	62.2	4,476	1,159	20.6	3,424	894	866	242	1,422
16 to 19 years	1,740	56.6	1,164	577	33.1	1,333	115	643	9	567
20 to 24 years	1,730	75.8	1,410	320	18.5	553	172	163	13	205
25 years and over	2,165	58.5	1,902	262	12.1	1,538	607	60	220	650
Men who maintain families	1,690	76.2	1,558	133	7.8	527	39	15	58	415
Relatives in families maintained by men	1,554	63.6	1,295	259	16.7	891	333	164	42	352
16 to 19 years	313	59.8	235	78	24.9	210	24	94	-	92
20 to 24 years	479	80.9	415	65	13.5	113	33	48	2	30
25 years and over	762	57.3	645	116	15.2	568	276	22	40	230

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

NOTE: Because of new estimation techniques introduced in January

1984, these data are not comparable with those for earlier years. Moreover, estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
Total, 16 years and over	6,498	4,664	10.1	7.1	5,072	3,917	10.4	7.8
Married, spouse present	2,508	1,719	6.2	4.2	1,947	1,461	7.5	5.5
Widowed, divorced, or separated	722	504	12.3	8.5	987	764	10.6	7.9
Single (never married)	3,268	2,441	18.1	13.3	2,138	1,692	15.7	12.3
White, 16 years and over	4,896	3,444	8.6	6.0	3,702	2,875	8.9	6.7
Married, spouse present	2,081	1,408	5.7	3.8	1,606	1,220	7.0	5.1
Widowed, divorced, or separated	516	362	10.7	7.4	688	519	9.1	6.7
Single (never married)	2,299	1,674	15.1	10.8	1,409	1,136	12.6	10.1
Black, 16 years and over	1,379	1,079	22.2	17.2	1,220	930	21.1	15.6
Married, spouse present	350	261	11.8	8.8	284	201	13.4	9.3
Widowed, divorced, or separated	182	138	19.6	14.8	271	217	17.0	12.6
Single (never married)	846	681	36.7	29.0	665	512	32.3	24.6
Total, 25 years and over	3,785	2,636	7.5	5.2	2,780	2,142	7.6	5.6
Married, spouse present	2,256	1,538	5.9	4.0	1,585	1,151	6.8	4.8
Widowed, divorced, or separated	676	481	12.1	8.5	856	667	9.7	7.3
Single (never married)	852	617	13.3	9.2	339	325	7.2	6.6
White, 25 years and over	2,922	2,004	6.6	4.4	2,075	1,587	6.6	4.9
Married, spouse present	1,853	1,256	5.4	3.6	1,309	952	6.4	4.5
Widowed, divorced, or separated	474	347	10.4	7.5	589	454	8.3	6.2
Single (never married)	595	401	11.1	7.2	177	181	4.9	4.8
Black, 25 years and over	743	565	16.3	12.2	622	493	14.2	10.8
Married, spouse present	336	243	11.9	8.6	228	165	11.7	8.3
Widowed, divorced, or separated	179	131	19.7	14.5	243	190	15.9	11.5
Single (never married)	229	191	28.0	20.7	151	138	16.5	14.5

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
Total, 16 years and over	11,570	8,582	10.2	7.4	10.1	7.1	10.4	7.8
Managerial and professional specialty	851	598	3.5	2.4	3.0	2.1	4.4	2.8
Executive, administrative, and managerial	392	284	3.5	2.4	2.8	2.2	5.0	2.9
Professional specialty	460	314	3.6	2.4	3.1	2.0	4.0	2.8
Technical, sales, and administrative support	2,280	1,704	6.8	4.9	5.6	3.9	7.5	5.5
Technicians and related support	156	112	5.0	3.3	5.2	2.7	4.8	4.0
Sales occupations	937	703	7.3	5.2	4.7	3.7	10.1	6.7
Administrative support, including clerical	1,187	889	6.8	5.0	7.3	4.9	6.6	5.1
Service occupations	1,803	1,333	11.4	8.4	11.8	8.4	11.2	8.4
Private household	89	88	8.2	7.9	(¹)	(¹)	8.3	7.8
Protective service	127	95	6.7	5.4	6.4	5.5	8.4	4.7
Service, except private household and protective	1,587	1,149	12.4	8.9	13.6	9.3	11.6	8.6
Precision production, craft, and repair	1,493	987	10.7	7.0	10.8	7.0	9.6	6.5
Mechanics and repairers	372	229	8.3	5.0	8.3	5.1	7.2	2.5
Construction trades	669	506	13.0	9.7	13.1	9.6	9.6	15.3
Other precision production, craft, and repair	451	252	10.5	5.7	10.7	5.6	9.9	6.4
Operators, fabricators, and laborers	2,797	2,011	14.5	10.5	14.1	9.7	15.6	12.9
Machine operators, assemblers, and inspectors	1,371	864	15.0	9.7	14.0	7.3	16.3	13.0
Transportation and material moving occupations	520	375	10.9	7.7	10.9	7.8	10.7	6.7
Handlers, equipment cleaners, helpers, and laborers	906	773	16.8	14.3	17.2	14.2	14.4	15.1
Construction laborers	161	183	17.9	19.1	18.4	19.1	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	745	589	16.6	13.3	16.9	12.9	14.9	14.9
Farming, forestry, and fishing	406	278	8.2	5.9	7.9	5.5	10.0	7.7
No previous work experience	1,891	1,614	-	-	-	-	-	-
16 to 19 years	1,454	1,188	-	-	-	-	-	-
20 to 24 years	272	298	-	-	-	-	-	-
25 years and over	165	128	-	-	-	-	-	-

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
Total, 16 years and over	11,570	8,582	10.2	7.4	10.1	7.1	10.4	7.8
Nonagricultural private wage and salary workers	8,237	5,836	9.9	6.8	10.2	6.7	9.6	7.1
Mining	195	74	17.3	6.9	18.7	7.7	10.4	2.9
Construction	890	728	15.7	12.6	16.2	12.8	9.3	10.1
Manufacturing	2,492	1,563	11.3	7.1	10.5	5.9	12.9	9.4
Durable goods	1,595	927	12.2	7.0	11.7	6.4	13.5	8.6
Lumber and wood products	111	62	15.3	8.3	14.6	7.8	20.4	11.4
Furniture and fixtures	62	56	11.1	9.0	9.3	7.9	14.9	12.2
Stone, clay, and glass products	53	55	8.6	8.5	8.9	9.0	7.7	7.2
Primary metal industries	195	91	19.3	9.7	19.5	9.7	18.0	9.4
Fabricated metal products	204	134	13.7	9.3	12.7	9.3	17.6	9.4
Machinery, except electrical	383	158	13.5	5.5	13.1	5.5	14.8	5.5
Electrical machinery, equipment, and supplies	230	123	10.1	5.2	7.6	3.2	13.3	7.8
Transportation equipment	248	153	10.6	6.2	10.0	5.5	13.1	9.3
Automobiles	137	78	12.7	6.5	11.7	6.0	17.6	8.6
Other transportation equipment	111	74	8.8	5.9	8.5	4.9	10.2	10.0
Professional and photographic equipment	43	33	5.9	4.5	5.2	3.2	6.9	6.5
Other durable goods industries	65	62	12.7	11.9	12.6	7.2	12.8	17.1
Nondurable goods	898	636	10.0	7.2	8.3	5.0	12.3	10.3
Food and kindred products	212	183	11.2	9.9	9.2	7.4	15.1	15.7
Textile mill products	92	62	11.0	8.0	10.2	6.4	11.7	9.7
Apparel and other textile products	153	137	11.8	10.0	12.4	5.5	11.7	11.2
Paper and allied products	51	38	6.8	5.5	5.9	4.8	9.2	7.6
Printing and publishing	126	73	7.7	4.4	6.2	3.9	10.0	5.1
Chemicals and allied products	89	51	7.6	4.2	6.8	2.0	9.2	8.7
Rubber and miscellaneous plastics products	93	48	12.1	6.1	9.7	3.3	17.1	10.4
Other nondurable goods industries	81	44	13.3	8.9	10.8	6.3	17.1	13.2
Transportation and public utilities	413	292	7.2	4.8	8.0	5.3	5.3	3.5
Transportation	315	198	8.1	4.9	8.9	5.2	5.1	4.1
Communications and other public utilities	99	94	3.9	3.5	3.6	4.1	4.2	2.3
Wholesale and retail trade	2,232	1,617	10.4	7.4	9.3	6.4	11.6	8.4
Wholesale trade	363	197	8.3	4.7	7.8	3.8	9.6	6.8
Retail trade	1,869	1,419	10.9	8.0	9.9	7.4	11.9	8.6
Finance, insurance, and real estate	271	201	4.5	3.2	4.0	2.7	4.8	3.5
Service industries	1,744	1,361	8.3	6.2	9.0	6.3	7.9	6.2
Professional services	709	503	6.1	4.1	5.8	3.5	6.2	4.4
Other service industries	1,035	858	11.2	8.8	11.4	8.5	11.0	9.1
Agricultural wage and salary workers	295	198	13.4	9.5	11.9	9.0	18.7	11.0
Government, self-employed, and unpaid family workers	1,147	933	4.4	3.5	4.0	3.6	4.8	3.5
No previous work experience	1,891	1,614	-	-	-	-	-	-

A-14. Unemployed persons by reason for unemployment, sex, and race

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
NUMBER OF UNEMPLOYED												
Total unemployed	11,570	8,582	5,188	3,639	3,855	2,970	2,527	1,972	8,598	6,319	2,599	2,009
Job losers	6,135	3,963	3,966	2,480	1,882	1,302	288	182	4,773	3,007	1,290	967
On layoff	1,625	1,026	1,038	593	537	391	50	41	1,372	888	236	122
Other job losers	4,510	2,937	2,928	1,887	1,345	911	238	141	3,401	2,119	1,055	845
Job leavers	748	745	289	314	345	309	114	122	605	597	27	18
Reentrants	2,799	2,259	757	646	1,368	1,133	674	481	1,955	1,643	747	552
New entrants	1,887	1,614	176	199	261	227	1,450	1,188	1,265	1,071	535	471
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	53.0	46.2	76.4	68.1	48.8	43.8	11.4	9.2	55.6	47.6	49.6	48.2
On layoff	14.0	12.0	20.0	16.3	13.9	13.2	2.0	2.1	16.0	14.1	9.1	6.1
Other job losers	39.0	34.2	56.4	51.8	34.9	30.6	9.4	7.1	39.6	33.5	40.6	42.1
Job leavers	6.5	8.7	5.6	8.6	8.9	10.4	4.5	6.2	7.0	9.4	1.0	.9
Reentrants	24.2	26.3	14.6	17.7	35.5	38.1	26.7	24.4	22.7	26.0	28.7	27.5
New entrants	16.3	18.8	3.4	5.5	6.8	7.6	57.4	60.2	14.7	17.0	20.6	23.5
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.4	3.4	6.7	4.1	4.2	2.9	2.9	1.9	4.9	3.0	10.8	7.9
Job leavers .....	.7	.6	.5	.5	.8	.7	1.2	1.3	.6	.6	.2	.1
Reentrants	2.5	2.0	1.3	1.1	3.1	2.5	6.8	5.1	2.0	1.6	6.2	4.5
New entrants	1.7	1.4	.3	.3	.6	.5	14.7	12.5	1.3	1.1	4.5	3.9

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	June 1984						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	8,582	100.0	46.7	23.0	30.3	11.9	18.5
Job losers	3,963	100.0	32.1	24.2	43.7	17.3	26.3
On layoff	1,026	100.0	50.9	25.2	23.9	9.4	14.5
Other job losers	2,937	100.0	25.6	23.8	50.5	20.0	30.5
Job leavers	745	100.0	51.2	22.9	26.0	8.7	17.3
Reentrants	2,259	100.0	56.7	23.1	20.1	8.7	11.5
New entrants	1,614	100.0	66.2	19.9	13.9	4.4	9.5
Men, 20 years and over	3,639	100.0	36.2	22.7	41.1	14.0	27.0
Job losers	2,480	100.0	29.1	23.9	47.0	16.8	30.2
On layoff	593	100.0	46.8	26.3	26.9	10.5	16.4
Other job losers	1,887	100.0	23.6	23.1	53.3	18.8	34.5
Job leavers	314	100.0	45.3	23.1	31.7	9.3	22.4
Reentrants	646	100.0	52.1	21.0	26.8	8.9	17.9
New entrants	199	100.0	58.8	12.2	29.0	4.1	24.9
Women, 20 years and over	2,970	100.0	43.8	25.2	31.0	14.4	16.6
Job losers	1,302	100.0	34.6	24.8	40.6	19.6	21.0
On layoff	391	100.0	54.4	24.0	21.6	9.3	12.3
Other job losers	911	100.0	26.1	25.1	48.7	24.0	24.7
Job leavers	309	100.0	48.6	22.0	29.4	10.7	18.7
Reentrants	1,133	100.0	51.7	26.7	21.7	11.1	10.6
New entrants	227	100.0	51.0	24.2	24.8	5.6	19.2
Both sexes, 16 to 19 years	1,972	100.0	70.3	20.3	9.5	4.1	5.4
Job losers	182	100.0	55.9	24.2	20.0	7.8	12.2
On layoff	41	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	141	100.0	49.9	25.0	25.1	11.5	13.5
Job leavers	122	100.0	72.9	24.5	2.6	2.0	.6
Reentrants	481	100.0	74.8	17.6	7.6	2.6	5.0
New entrants	1,188	100.0	70.3	20.3	9.3	4.3	5.0

¹ Data not shown where base is less than 75,000.

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
Total, 16 years and over	11,570	8,582	100.0	100.0	9,938	7,155	100.0	100.0
Less than 5 weeks	4,587	4,005	39.6	46.7	3,522	3,037	35.4	42.4
5 to 14 weeks	2,536	1,973	21.9	23.0	2,198	1,687	22.1	23.6
5 to 10 weeks	1,802	1,450	15.6	16.9	1,551	1,218	15.6	17.0
11 to 14 weeks	735	523	6.4	6.1	647	469	6.5	6.6
15 weeks and over	4,447	2,603	38.4	30.3	4,218	2,431	42.4	34.0
15 to 26 weeks	1,605	1,018	13.9	11.9	1,499	939	15.1	13.1
27 weeks and over	2,842	1,585	24.6	18.5	2,719	1,492	27.4	20.9
27 to 51 weeks	1,256	551	10.9	6.4	1,205	514	12.1	7.2
52 weeks and over	1,586	1,034	13.7	12.0	1,514	978	15.2	13.7
Average (mean) duration, in weeks	19.8	17.3	-	-	21.6	19.1	-	-
Median duration, in weeks	8.8	5.9	-	-	10.6	7.4	-	-

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-17. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								June 1983	June 1984	June 1983	June 1984
	June 1984										
Total, 16 years and over	8,582	4,005	1,973	1,018	1,585	17.3	5.9	39.6	46.7	38.4	30.3
16 to 19 years	1,972	1,385	400	80	106	7.3	3.6	65.6	70.3	12.4	9.5
20 to 24 years	1,831	895	450	204	282	14.9	5.3	43.2	48.9	32.9	26.6
25 to 34 years	2,191	831	563	319	479	19.5	8.7	30.8	37.9	47.2	36.4
35 to 44 years	1,238	446	274	179	339	23.7	10.2	27.5	36.0	51.3	41.9
45 to 54 years	697	230	160	110	197	26.2	11.9	24.4	33.0	56.4	44.0
55 to 64 years	561	185	111	109	157	24.5	13.0	24.0	32.9	57.5	47.4
65 years and over	91	34	15	18	24	24.8	11.4	33.5	37.0	38.6	46.7
Men, 16 years and over	4,664	2,026	1,029	561	1,048	20.2	7.1	33.6	43.4	45.2	34.5
16 to 19 years	1,025	708	204	50	64	7.9	3.6	62.4	69.0	14.7	11.1
20 to 24 years	1,003	475	233	116	179	17.1	5.8	36.3	47.4	39.2	29.4
25 to 34 years	1,217	451	283	170	313	22.0	9.5	23.9	37.1	55.5	39.7
35 to 44 years	699	202	150	97	249	30.3	14.8	24.0	28.9	58.0	49.6
45 to 54 years	354	86	90	53	125	31.1	15.3	17.8	24.3	66.8	50.4
55 to 64 years	326	93	64	67	104	27.2	16.2	18.3	28.4	60.9	52.1
65 years and over	39	11	5	9	15	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,917	1,980	944	457	537	13.7	4.9	47.3	50.5	29.7	25.4
16 to 19 years	947	678	197	30	42	6.6	3.5	69.0	71.6	9.9	7.7
20 to 24 years	828	420	217	88	104	12.3	4.9	52.1	50.7	24.6	23.2
25 to 34 years	974	380	280	148	166	16.4	8.0	40.6	39.0	35.4	32.3
35 to 44 years	539	244	124	82	89	15.2	6.2	32.0	45.2	42.8	31.8
45 to 54 years	343	144	70	56	72	21.2	8.3	32.4	42.0	43.7	37.5
55 to 64 years	235	92	47	42	54	20.8	9.7	32.7	39.2	52.5	40.8
65 years and over	51	23	10	9	9	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,319	2,976	1,428	798	1,116	16.9	5.8	38.5	47.1	38.6	30.3
Men	3,444	1,477	753	450	763	20.1	7.2	33.0	42.9	45.0	35.2
Women	2,875	1,499	675	347	353	13.0	4.8	45.8	52.1	30.1	24.4
Black, 16 years and over	2,009	908	473	201	427	18.7	5.8	42.7	45.2	38.4	31.3
Men	1,079	482	235	102	261	21.2	6.4	34.6	44.6	47.1	33.6
Women	930	426	238	100	166	15.8	5.2	51.8	45.8	28.5	28.6
Men, 16 years and over:											
Married, spouse present	1,719	532	387	259	541	26.2	12.9	23.6	30.9	56.0	46.5
Widowed, divorced, or separated	504	179	119	73	132	23.4	10.3	22.4	35.6	62.3	40.8
Single (never married)	2,441	1,315	522	229	375	15.4	4.6	43.8	53.9	33.2	24.8
Women, 16 years and over:											
Married, spouse present	1,461	676	370	202	213	14.9	5.9	38.9	46.3	36.8	28.4
Widowed, divorced, or separated	764	291	184	125	164	19.5	9.4	33.0	38.1	41.6	37.8
Single (never married)	1,692	1,012	391	130	159	10.1	4.2	61.6	59.8	17.7	17.1

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group				
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over		
								June 1983	June 1984	June 1983	June 1984	
OCCUPATION												
Managerial and professional specialty	598	259	118	98	124	19.4	7.1	34.5	43.2	43.7	37.0	
Technical, sales, and administrative support	1,704	759	455	221	268	15.3	6.4	39.9	44.6	36.5	28.7	
Service occupations	1,333	637	313	155	229	16.4	5.6	43.0	47.8	34.1	28.8	
Precision production, craft, and repair	987	360	210	162	255	22.2	10.0	27.8	36.4	48.8	42.3	
Operators, fabricators, and laborers	2,011	755	493	280	483	21.7	9.2	27.6	37.6	53.2	37.9	
Farming, forestry, and fishing	278	144	48	29	58	16.9	4.8	52.8	51.7	26.3	31.1	
INDUSTRY¹												
Agriculture	198	103	41	22	31	14.2	4.8	58.2	52.1	18.2	27.3	
Construction	767	290	188	122	165	19.1	8.9	29.9	37.9	47.7	37.6	
Manufacturing	1,568	525	332	255	455	25.4	12.0	23.4	33.5	57.2	45.3	
Durable goods	932	283	185	164	300	28.5	14.8	20.1	30.4	62.0	49.8	
Nondurable goods	636	242	147	91	156	20.7	9.4	29.1	38.0	48.6	38.8	
Transportation and public utilities	334	113	83	59	78	21.1	10.9	28.5	33.9	51.9	41.2	
Wholesale and retail trade	1,623	734	430	192	268	15.8	6.1	42.2	45.2	36.4	28.3	
Finance and service industries	1,980	960	471	236	312	15.5	5.5	41.4	48.5	35.0	27.6	
Public administration	232	93	60	28	51	20.1	8.5	35.6	40.2	36.8	34.1	
No previous work experience	1,614	1,069	321	72	153	10.6	3.8	63.0	66.2	15.0	13.9	

¹ Includes wage and salary workers only.

A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	June 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,582	7,416	25.0	5.8	76.0	33.4	19.6	4.8	1.65
16 to 19 years	1,972	1,896	18.4	3.1	80.2	23.3	17.6	3.0	1.45
20 to 24 years	1,831	1,646	25.3	5.0	79.6	36.6	19.1	4.1	1.70
25 to 34 years	2,191	1,820	28.8	8.4	73.7	36.9	22.9	5.1	1.76
35 to 44 years	1,238	1,032	32.5	7.4	73.6	39.0	19.1	5.9	1.77
45 to 54 years	697	517	22.8	8.1	71.8	40.4	17.8	6.6	1.68
55 to 64 years	561	429	22.8	4.2	64.1	30.5	21.0	7.5	1.50
65 years and over	91	77	15.6	-	71.4	23.4	18.2	18.2	1.47
Men, 16 years and over	4,664	3,976	26.2	6.0	77.5	31.6	22.5	5.8	1.70
16 to 19 years	1,025	982	18.2	3.0	82.7	20.9	17.3	3.3	1.45
20 to 24 years	1,003	899	24.8	6.0	81.5	31.7	23.8	4.9	1.73
25 to 34 years	1,217	979	31.8	8.4	74.5	36.4	27.7	5.2	1.84
35 to 44 years	699	559	36.5	9.1	72.3	39.5	23.4	7.3	1.88
45 to 54 years	354	272	24.6	5.1	74.3	36.8	18.0	10.7	1.69
55 to 64 years	326	252	23.0	2.8	69.0	31.3	22.6	9.5	1.58
65 years and over	39	32	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,917	3,440	23.6	5.5	74.2	35.4	16.3	3.6	1.59
16 to 19 years	947	913	18.6	3.2	77.7	26.1	17.9	2.6	1.46
20 to 24 years	828	747	26.0	3.7	77.2	42.4	13.5	3.1	1.66
25 to 34 years	974	841	25.6	8.3	72.9	37.6	17.2	4.9	1.66
35 to 44 years	539	473	27.7	5.3	75.3	38.5	14.2	4.2	1.65
45 to 54 years	343	245	20.8	11.0	69.0	44.1	17.6	2.0	1.64
55 to 64 years	235	176	22.7	6.3	57.4	29.5	18.8	4.5	1.39
65 years and over	51	45	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,319	5,315	22.5	5.8	77.1	35.1	19.9	4.8	1.65
Men	3,444	2,847	24.0	6.2	78.2	33.2	22.8	6.2	1.71
Women	2,875	2,468	20.8	5.2	75.8	37.2	16.5	3.1	1.59
Black, 16 years and over	2,009	1,870	31.9	5.6	72.6	19.1	28.9	4.4	1.62
Men	1,079	995	32.1	5.5	75.5	21.6	26.6	3.8	1.65
Women	930	875	31.8	5.7	69.1	16.1	31.5	5.0	1.59

¹ Data not shown where base is less than 75,000.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days

are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	June 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,582	7,416	25.0	5.8	76.0	33.4	19.6	4.8	1.65
Job losers ¹	3,963	2,964	31.1	8.1	75.4	37.1	22.4	6.1	1.80
Job leavers	745	756	25.1	5.0	75.1	40.6	20.8	3.6	1.70
Reentrants	2,259	2,111	20.1	4.7	75.6	31.0	15.5	4.6	1.51
New entrants	1,614	1,586	20.0	3.3	77.9	26.0	19.4	3.2	1.50
Men, 16 years and over	4,664	3,976	26.2	6.0	77.5	31.6	22.5	5.8	1.70
Job losers ¹	2,604	1,991	32.2	7.7	75.9	34.2	25.0	7.4	1.82
Job leavers	367	369	25.5	3.5	76.2	40.7	28.2	3.8	1.78
Reentrants	894	833	19.2	4.4	79.0	31.1	16.0	5.5	1.55
New entrants	799	783	18.6	4.3	80.7	21.2	20.6	2.9	1.48
Women, 16 years and over	3,917	3,440	23.6	5.5	74.2	35.4	16.3	3.6	1.59
Job losers ¹	1,359	973	28.9	8.7	74.5	43.3	17.2	3.4	1.76
Job leavers	378	386	24.9	6.2	74.4	40.4	13.7	3.4	1.63
Reentrants	1,366	1,278	20.6	4.9	73.3	31.1	15.2	4.0	1.49
New entrants	815	803	21.3	2.2	75.1	30.6	18.2	3.5	1.51

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
All industries	101,813	106,812	58,056	60,593	43,757	46,219
16 to 19 years	7,341	7,548	3,977	4,007	3,363	3,541
16 to 17 years	2,736	2,866	1,526	1,549	1,210	1,317
18 to 19 years	4,604	4,682	2,451	2,458	2,153	2,224
20 to 24 years	14,200	14,906	7,696	8,113	6,504	6,793
25 to 54 years	66,140	70,234	37,912	40,086	28,228	30,147
25 to 34 years	28,597	30,421	16,280	17,299	12,317	13,122
35 to 44 years	21,723	23,507	12,448	13,336	9,275	10,171
45 to 54 years	15,820	16,305	9,184	9,452	6,637	6,854
55 to 64 years	11,266	11,373	6,721	6,709	4,545	4,664
55 to 59 years	6,820	6,860	4,099	4,061	2,721	2,800
60 to 64 years	4,447	4,513	2,622	2,648	1,825	1,865
65 years and over	2,866	2,752	1,749	1,678	1,116	1,074
Agriculture	3,977	3,879	3,121	3,025	855	855
16 to 19 years	530	473	438	368	92	105
16 to 17 years	261	250	219	192	42	58
18 to 19 years	269	223	219	176	49	47
20 to 24 years	555	510	446	427	109	83
25 to 54 years	2,046	2,062	1,535	1,531	511	531
25 to 34 years	898	855	698	663	200	193
35 to 44 years	589	667	422	495	167	172
45 to 54 years	560	540	416	374	143	166
55 to 64 years	543	538	434	441	110	97
55 to 59 years	292	287	224	229	68	58
60 to 64 years	252	251	209	212	42	39
65 years and over	302	297	268	258	34	39
Nonagricultural industries	97,836	102,932	54,934	57,568	42,902	45,364
16 to 19 years	6,811	7,075	3,539	3,639	3,272	3,436
16 to 17 years	2,475	2,616	1,307	1,357	1,168	1,259
18 to 19 years	4,335	4,459	2,232	2,282	2,104	2,177
20 to 24 years	13,646	14,395	7,250	7,686	6,396	6,709
25 to 54 years	64,093	68,171	36,376	38,555	27,717	29,616
25 to 34 years	27,699	29,566	15,582	16,636	12,117	12,930
35 to 44 years	21,134	22,840	12,027	12,841	9,107	9,999
45 to 54 years	15,261	15,765	8,768	9,078	6,493	6,687
55 to 64 years	10,723	10,835	6,287	6,268	4,436	4,568
55 to 59 years	6,528	6,574	3,875	3,832	2,653	2,742
60 to 64 years	4,195	4,262	2,413	2,436	1,783	1,826
65 years and over	2,563	2,455	1,481	1,420	1,082	1,035

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-22. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
Total	101,813	106,812	58,056	60,593	54,078	56,585	43,757	46,219	40,394	42,678
Managerial and professional specialty	23,201	24,589	13,899	14,525	13,801	14,429	9,302	10,064	9,241	9,920
Executive, administrative, and managerial	10,725	11,538	7,343	7,724	7,306	7,690	3,382	3,814	3,362	3,760
Officials and administrators, public administration	507	521	332	304	332	301	175	217	175	217
Other executive, administrative, and managerial	7,307	7,783	5,204	5,556	5,174	5,527	2,099	2,227	2,082	2,186
Management-related occupations	2,915	3,234	1,807	1,864	1,799	1,862	1,108	1,369	1,105	1,357
Professional specialty	12,475	13,051	6,556	6,801	6,495	6,738	5,920	6,251	5,878	6,160
Engineers	1,644	1,736	1,549	1,636	1,544	1,636	95	100	95	97
Mathematical and computer scientists	438	518	301	335	301	335	137	183	137	181
Natural scientists	368	383	286	301	285	295	82	83	82	83
Health diagnosing occupations	754	788	656	680	656	678	98	109	98	109
Health assessment and treating occupations	1,954	1,955	271	280	270	280	1,682	1,675	1,680	1,672
Teachers, college and university	493	506	315	309	315	309	177	196	177	194
Teachers, except college and university	2,922	3,057	817	823	809	817	2,105	2,233	2,086	2,201
Lawyers and judges	720	715	606	599	606	599	114	115	114	115
Other professional specialty occupations	3,183	3,393	1,754	1,836	1,710	1,790	1,430	1,557	1,411	1,508
Technical, sales, and administrative support	31,170	32,876	11,050	11,630	10,488	10,998	20,119	21,245	18,589	19,597
Technicians and related support	2,951	3,250	1,534	1,706	1,513	1,664	1,417	1,544	1,403	1,519
Health technologists and technicians	1,059	1,113	171	198	171	196	888	915	881	905
Engineering and science technicians	1,003	1,116	796	865	781	847	208	252	203	241
Technicians, except health, engineering, and science	888	1,020	567	643	560	622	322	377	319	373
Sales occupations	11,847	12,848	6,261	6,669	5,917	6,291	5,586	6,179	4,723	5,269
Supervisors and proprietors	3,051	3,214	2,153	2,234	2,130	2,216	898	980	874	963
Sales representatives, finance and business services	1,772	2,112	1,128	1,270	1,126	1,266	644	842	621	817
Sales representatives, commodities, except retail	1,485	1,546	1,267	1,319	1,261	1,309	218	227	209	223
Sales workers, retail and personal services	5,479	5,914	1,686	1,830	1,377	1,484	3,793	4,084	2,989	3,224
Sales-related occupations	60	62	26	17	25	16	34	46	31	43
Administrative support, including clerical	16,372	16,778	3,256	3,256	3,057	3,043	13,116	13,522	12,463	12,809
Supervisors	650	620	303	267	301	268	346	353	343	353
Computer equipment operators	593	706	189	253	176	244	404	453	377	426
Secretaries, stenographers, and typists	4,851	4,803	75	83	69	82	4,776	4,720	4,558	4,455
Financial records processing	2,480	2,487	254	238	246	232	2,227	2,249	2,181	2,190
Mail and message distributing	810	810	564	528	533	486	246	282	237	261
Other administrative support, including clerical	6,988	7,353	1,871	1,888	1,732	1,732	5,117	5,465	4,766	5,124
Service occupations	13,970	14,506	5,703	5,721	4,630	4,706	8,268	8,785	6,894	7,475
Private household	990	1,035	32	15	15	6	958	1,020	710	812
Protective service	1,757	1,667	1,503	1,428	1,450	1,380	255	239	195	192
Service, except private household and protective	11,223	11,804	4,168	4,278	3,166	3,320	7,056	7,526	5,990	6,470
Food service	4,907	5,205	1,822	1,869	1,151	1,208	3,085	3,336	2,342	2,556
Health service	1,689	1,719	164	155	149	144	1,525	1,564	1,439	1,468
Cleaning and building service	2,828	2,951	1,771	1,837	1,532	1,610	1,057	1,113	949	1,042
Personal service	1,800	1,929	411	416	335	358	1,388	1,513	1,260	1,404
Precision production, craft, and repair	12,420	13,193	11,432	12,042	11,096	11,624	988	1,151	963	1,103
Mechanics and repairers	4,118	4,365	4,006	4,225	3,885	4,099	111	140	110	135
Construction trades	4,461	4,692	4,377	4,624	4,213	4,401	84	68	73	60
Other precision production, craft, and repair	3,841	4,136	3,048	3,193	2,998	3,124	793	942	780	909
Operators, fabricators, and laborers	16,526	17,191	12,229	12,971	10,997	11,682	4,297	4,220	4,037	3,942
Machine operators, assemblers, and inspectors	7,776	8,083	4,532	4,903	4,295	4,663	3,245	3,180	3,119	3,043
Manufacturing industries	6,625	6,888	3,810	4,109	3,645	3,931	2,815	2,779	2,728	2,665
Durable goods	3,523	3,830	2,444	2,748	2,357	2,629	1,079	1,082	1,054	1,046
Nondurable goods	3,102	3,058	1,366	1,361	1,288	1,302	1,737	1,697	1,674	1,619
Nonmanufacturing industries	1,151	1,195	722	794	651	732	429	401	391	378
Transportation and material moving occupations	4,255	4,491	3,935	4,141	3,792	3,989	319	350	297	330
Motor vehicle operators	2,935	3,145	2,667	2,868	2,559	2,744	268	277	248	260
Other transportation and material moving occupations	1,319	1,346	1,268	1,273	1,233	1,245	51	73	49	70
Handlers, equipment cleaners, helpers, and laborers	4,495	4,617	3,763	3,927	2,910	3,030	733	690	621	569
Construction laborers	739	775	717	754	596	640	22	21	14	16
Other handlers, equipment cleaners, helpers, and laborers	3,756	3,842	3,045	3,173	2,313	2,390	711	670	607	553
Farming, forestry, and fishing	4,526	4,458	3,743	3,704	3,067	3,147	783	753	669	641
Farm operators and managers	1,553	1,563	1,358	1,342	1,337	1,322	195	221	192	216
Other farming, forestry, and fishing occupations	2,973	2,894	2,385	2,362	1,729	1,825	588	532	477	425

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-23. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	June 1983	June 1984	June 1983	June 1984	June 1983	June 1984
TOTAL						
Total, 16 years and over (thousands)	101,813	106,812	58,056	60,593	43,757	46,219
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	22.8	23.0	23.9	24.0	21.3	21.8
Executive, administrative, and managerial	10.5	10.8	12.6	12.7	7.7	8.3
Professional specialty	12.3	12.2	11.3	11.2	13.5	13.5
Technical, sales, and administrative support	30.6	30.8	19.0	19.2	46.0	46.0
Technicians and related support	2.9	3.0	2.6	2.8	3.2	3.3
Sales occupations	11.6	12.0	10.8	11.0	12.8	13.4
Administrative support, including clerical	16.1	15.7	5.6	5.4	30.0	29.3
Service occupations	13.7	13.6	9.8	9.4	18.9	19.0
Private household	1.0	1.0	.1	(¹)	2.2	2.2
Protective service	1.7	1.6	2.6	2.4	.6	.5
Service, except private household and protective	11.0	11.1	7.2	7.1	16.1	16.3
Precision production, craft, and repair	12.2	12.4	19.7	19.9	2.3	2.5
Operators, fabricators, and laborers	16.2	16.1	21.1	21.4	9.8	9.1
Machine operators, assemblers, and inspectors	7.6	7.6	7.8	8.1	7.4	6.9
Transportation and material moving occupations	4.2	4.2	6.8	6.8	.7	.8
Handlers, equipment cleaners, helpers, and laborers	4.4	4.3	6.5	6.5	1.7	1.5
Farming, forestry, and fishing	4.4	4.2	6.4	6.1	1.8	1.6
White						
Total, 16 years and over (thousands)	89,890	93,772	51,847	53,897	38,042	39,875
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.6	23.9	24.9	25.0	21.8	22.5
Executive, administrative, and managerial	11.1	11.4	13.3	13.4	8.1	8.6
Professional specialty	12.5	12.6	11.6	11.5	13.7	14.0
Technical, sales, and administrative support	31.2	31.5	19.4	19.7	47.4	47.3
Technicians and related support	2.9	3.1	2.7	2.9	3.3	3.3
Sales occupations	12.2	12.7	11.3	11.7	13.5	14.1
Administrative support, including clerical	16.0	15.6	5.4	5.1	30.6	29.9
Service occupations	12.6	12.2	8.9	8.4	17.6	17.3
Private household .....	.8	.7	.1	(¹)	1.8	1.7
Protective service	1.7	1.5	2.5	2.2	.6	.5
Service, except private household and protective	10.1	10.0	6.4	6.2	15.2	15.2
Precision production, craft, and repair	12.6	12.8	20.3	20.5	2.2	2.5
Operators, fabricators, and laborers	15.4	15.3	20.0	20.2	9.1	8.6
Machine operators, assemblers, and inspectors	7.2	7.2	7.5	7.7	6.8	6.4
Transportation and material moving occupations	4.0	4.1	6.4	6.5	.7	.7
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.0	6.0	1.6	1.5
Farming, forestry, and fishing	4.6	4.3	6.5	6.1	1.9	1.8
Black						
Total, 16 years and over (thousands)	9,389	10,222	4,829	5,180	4,560	5,042
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.2	14.0	11.9	12.3	16.6	15.7
Executive, administrative, and managerial	5.2	6.0	5.6	6.0	4.7	6.0
Professional specialty	9.0	8.0	6.3	6.3	11.8	9.7
Technical, sales, and administrative support	25.3	25.0	14.8	13.4	36.5	37.0
Technicians and related support	2.2	2.4	1.9	1.4	2.5	3.5
Sales occupations	6.1	5.9	5.2	4.1	7.0	7.8
Administrative support, including clerical	17.0	16.7	7.6	7.9	26.9	25.8
Service occupations	23.5	25.3	18.0	18.8	29.4	32.1
Private household	2.7	3.2	.1	-	5.5	6.4
Protective service	2.1	2.4	3.7	3.9	.5	.9
Service, except private household and protective	18.7	19.8	14.1	14.9	23.4	24.8
Precision production, craft, and repair	8.7	8.8	14.9	15.0	2.2	2.5
Operators, fabricators, and laborers	24.9	23.6	34.5	34.7	14.7	12.2
Machine operators, assemblers, and inspectors	11.4	10.8	11.2	11.8	11.6	9.8
Transportation and material moving occupations	6.2	6.1	11.4	11.0	.8	1.0
Handlers, equipment cleaners, helpers, and laborers	7.2	6.7	11.9	11.9	2.3	1.3
Farming, forestry, and fishing	3.4	3.2	5.9	5.8	.7	.5

¹ Less than 0.05 percent.

A-24. Employed civilians by age, sex, and class of worker

(In thousands)

Age and sex	June 1984								
	Nonagricultural industries					Agriculture			
	Total	Wage and salary workers			Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
Private household workers		Government	Other						
Total, 16 years and over	94,718	1,413	15,309	77,995	7,851	364	1,886	1,699	295
16 to 19 years	6,941	335	430	6,176	87	47	373	42	57
16 to 17 years	2,548	242	166	2,140	37	32	184	26	40
18 to 19 years	4,393	93	265	4,036	50	15	189	16	17
20 to 24 years	13,982	178	1,225	12,579	380	34	356	119	35
25 to 34 years	27,594	187	4,275	23,132	1,920	53	502	320	34
35 to 44 years	20,576	172	4,154	16,249	2,176	88	305	309	52
45 to 54 years	14,113	190	2,893	11,029	1,564	89	155	325	61
55 to 64 years	9,574	211	2,034	7,330	1,223	38	144	355	38
55 to 59 years	5,812	101	1,273	4,438	740	21	80	184	22
60 to 64 years	3,762	110	761	2,892	483	17	64	171	16
65 years and over	1,938	140	299	1,499	502	15	51	228	18
Men, 16 years and over	52,178	290	7,561	44,328	5,311	78	1,474	1,461	90
16 to 19 years	3,562	113	226	3,222	47	31	288	35	44
16 to 17 years	1,313	79	98	1,136	25	19	137	23	32
18 to 19 years	2,249	34	129	2,086	21	12	152	12	12
20 to 24 years	7,405	51	585	6,768	259	22	294	106	27
25 to 34 years	15,349	28	2,048	13,273	1,285	2	392	266	5
35 to 44 years	11,414	24	2,059	9,332	1,426	1	230	264	1
45 to 54 years	8,016	20	1,479	6,516	1,055	8	110	264	-
55 to 64 years	5,372	22	1,014	4,336	887	8	113	321	7
55 to 59 years	3,297	8	633	2,656	533	2	59	166	3
60 to 64 years	2,075	14	381	1,680	354	6	53	155	4
65 years and over	1,061	31	150	880	353	6	48	204	6
Women, 16 years and over	42,539	1,123	7,749	33,667	2,539	286	412	238	205
16 to 19 years	3,379	222	204	2,953	40	17	85	7	13
16 to 17 years	1,234	163	68	1,003	11	13	47	3	8
18 to 19 years	2,144	59	136	1,950	29	4	38	4	5
20 to 24 years	6,577	126	640	5,811	121	12	62	13	8
25 to 34 years	12,244	159	2,227	9,859	635	51	110	54	29
35 to 44 years	9,162	149	2,096	6,918	750	87	76	45	51
45 to 54 years	6,097	170	1,413	4,513	509	81	45	61	61
55 to 64 years	4,202	189	1,020	2,994	335	30	31	34	31
55 to 59 years	2,516	93	641	1,782	207	19	21	18	19
60 to 64 years	1,687	96	379	1,212	128	11	10	17	12
65 years and over	877	109	149	619	149	9	4	24	12

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	June 1984												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers		Farming, forestry, and fishing	
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving		Handlers, equipment cleaners, helpers, and laborers
Agriculture	3,879	52	59	32	17	128	-	11	42	6	50	6	3,475
Mining	1,038	152	105	52	16	118	-	24	327	35	163	45	-
Construction	6,993	769	154	64	57	457	-	35	3,934	59	502	932	29
Manufacturing	21,133	2,226	1,553	712	787	2,494	-	403	4,010	6,888	925	1,030	104
Durable goods	12,745	1,424	1,072	511	331	1,494	-	221	2,793	3,830	461	516	93
Nondurable goods	8,387	802	481	201	457	1,001	-	181	1,217	3,058	465	514	11
Transportation and public utilities	7,482	792	434	229	301	1,938	-	291	1,348	121	1,562	454	11
Wholesale and retail trade	22,520	1,666	413	94	9,345	2,276	-	4,321	1,444	289	845	1,785	42
Wholesale trade	4,380	418	121	45	1,659	838	-	40	311	142	451	337	16
Retail trade	18,140	1,248	291	48	7,686	1,438	-	4,280	1,134	146	394	1,449	26
Finance, insurance, and real estate	6,846	1,553	169	120	1,644	2,865	-	285	101	9	19	17	65
Services	32,094	3,275	9,523	1,739	666	5,141	1,035	6,983	1,752	637	364	316	661
Private households	1,414	6	7	8	4	7	1,035	72	15	1	6	12	240
Other service industries	30,680	3,269	9,517	1,730	662	5,134	-	6,912	1,737	636	358	304	421
Professional services	20,566	1,839	8,495	1,481	126	3,725	-	3,929	381	147	205	82	153
Public administration	4,827	1,053	641	209	15	1,360	-	1,117	234	40	60	30	69

¹ Includes protective service, not shown separately.

A-26. Employed civilians with a job but not at work by reason, sex, and pay status

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	June 1983	June 1984	Total		Wage and salary workers ¹			
			June 1983	June 1984	Paid absences		Unpaid absences	
					June 1983	June 1984	June 1983	June 1984
Total, 16 years and over	7,544	7,208	7,443	7,072	4,224	3,816	2,611	2,647
Vacation	5,172	4,990	5,133	4,938	3,485	3,175	1,389	1,454
Illness	1,266	1,232	1,237	1,184	505	431	643	671
Bad weather	33	19	22	9	(²)	(²)	(²)	(²)
Industrial dispute	30	44	30	44	(²)	(²)	(²)	(²)
All other reasons	1,043	922	1,020	897	234	210	579	522
Men, 16 years and over	3,327	3,183	3,247	3,072	2,074	1,897	880	870
Vacation	2,155	2,074	2,125	2,036	1,675	1,564	330	343
Illness	692	693	666	645	282	245	345	351
All other reasons ³	480	417	456	390	117	87	205	176
Women, 16 years and over	4,216	4,025	4,195	4,000	2,150	1,918	1,730	1,778
Vacation	3,017	2,917	3,008	2,902	1,809	1,611	1,059	1,111
Illness	574	539	571	539	223	185	298	320
All other reasons ³	626	569	616	560	118	122	373	347

¹ Excludes private household workers.

² Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

³ Includes bad weather and industrial dispute, not shown separately.

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

A-27. Persons at work by hours of work and type of industry

Hours of work	June 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	99,604	3,744	95,860	100.0	100.0	100.0
1 to 34 hours	22,881	990	21,892	23.0	26.4	22.8
1 to 4 hours	747	57	691	.7	1.5	.7
5 to 14 hours	3,835	237	3,598	3.9	6.3	3.8
15 to 29 hours	11,467	448	11,019	11.5	12.0	11.5
30 to 34 hours	6,832	248	6,584	6.9	6.6	6.9
35 hours and over	76,722	2,754	73,969	77.0	73.6	77.2
35 to 39 hours	7,067	169	6,898	7.1	4.5	7.2
40 hours	42,315	654	41,661	42.5	17.5	43.5
41 hours and over	27,340	1,931	25,410	27.4	51.6	26.5
41 to 48 hours	10,378	237	10,141	10.4	6.3	10.6
49 to 59 hours	9,369	531	8,838	9.4	14.2	9.2
60 hours and over	7,593	1,163	6,431	7.6	31.1	6.7
Average hours, total at work	39.3	46.3	39.0	-	-	-
Average hours, workers on full-time schedules	43.4	54.2	43.0	-	-	-

A-28. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status

(Numbers in thousands)

Reason for working less than 35 hours	June 1984					
	Total	All industries		Nonagricultural industries		
		Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	22,881	6,784	16,098	21,892	6,506	15,386
Economic reasons	6,449	1,855	4,594	6,117	1,743	4,374
Slack work	2,233	1,236	997	2,084	1,160	924
Material shortages or repairs to plant and equipment	78	78	-	78	78	-
New job started during week	376	376	-	343	343	-
Job terminated during week	166	166	-	164	164	-
Could find only part-time work	3,598	-	3,598	3,450	-	3,450
Other reasons	16,431	4,928	11,503	15,775	4,763	11,012
Does not want, or unavailable for, full-time work	9,290	-	9,290	8,942	-	8,942
Vacation	1,832	1,832	-	1,807	1,807	-
Illness	1,378	1,264	114	1,344	1,243	101
Bad weather	246	246	-	158	158	-
Industrial dispute	12	12	-	12	12	-
Legal or religious holiday	127	127	-	126	126	-
Full time for this job	1,583	-	1,583	1,531	-	1,531
All other reasons	1,965	1,448	517	1,855	1,416	439
Average hours:						
Economic reasons	21.2	23.4	20.3	21.3	23.4	20.5
Other reasons	21.7	25.7	20.0	21.7	25.8	20.0
Worked 30 to 34 hours:						
Economic reasons	1,874	753	1,121	1,795	707	1,088
Other reasons	4,958	2,484	2,474	4,789	2,412	2,377

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

Industry	June 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
Total, 16 years and over	95,860	6,117	11,012	78,731	53,321	10,141	15,269	39.0	43.0
Wage and salary workers	88,210	5,534	9,750	72,926	50,702	9,515	12,709	38.8	42.6
Mining	927	20	22	885	171	103	272	46.0	47.2
Construction	5,409	448	195	4,766	3,296	542	928	40.1	42.7
Manufacturing	19,731	643	516	18,572	12,727	3,000	2,845	41.4	42.6
Durable goods	11,975	250	206	11,519	7,821	1,873	1,825	42.0	42.7
Nondurable goods	7,756	393	311	7,052	4,904	1,128	1,020	40.4	42.4
Transportation and public utilities	6,651	239	256	6,156	4,170	817	1,169	41.9	43.5
Wholesale and retail trade	19,395	2,150	3,697	13,548	8,610	2,095	2,843	36.7	43.3
Finance, insurance, and real estate	5,990	127	468	5,395	3,915	604	876	39.9	42.0
Service industries	25,557	1,843	4,369	19,345	14,183	1,926	3,236	36.5	41.9
Private households	1,373	353	557	463	315	51	97	24.4	44.2
All other industries	24,184	1,490	3,812	18,882	13,868	1,875	3,139	37.2	41.8
Public administration	4,550	63	227	4,260	3,298	425	537	40.3	41.6
Self-employed workers	7,287	564	1,117	5,606	2,499	604	2,503	41.5	48.3
Unpaid family workers	364	20	145	199	118	23	58	34.6	45.3

A-30. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status

(Numbers in thousands)

Sex, age, race, and marital status	June 1984							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	95,860	6,117	11,012	78,731	53,321	25,410	39.0	43.0
16 to 19 years	6,851	1,465	2,329	3,057	2,321	736	28.9	41.1
16 to 17 years	2,507	630	1,295	582	443	139	22.8	40.4
18 to 19 years	4,345	836	1,034	2,475	1,877	598	32.4	41.2
20 years and over	89,009	4,652	8,683	75,674	50,999	24,675	39.7	43.1
20 to 24 years	13,763	1,417	1,493	10,853	8,000	2,853	37.5	41.7
25 years and over	75,246	3,234	7,190	64,822	43,002	21,820	40.2	43.3
25 to 44 years	48,687	2,095	3,883	42,709	27,900	14,809	40.7	43.4
45 to 64 years	24,319	1,039	2,278	21,002	14,353	6,649	40.1	43.1
65 years and over	2,241	101	1,027	1,113	751	362	30.2	43.3
Men, 16 years and over	54,496	2,835	3,079	48,582	29,554	19,028	41.9	44.5
16 to 19 years	3,538	725	1,055	1,758	1,294	464	30.2	41.6
16 to 17 years	1,310	313	650	347	261	86	23.8	40.9
18 to 19 years	2,228	412	405	1,411	1,033	378	33.9	41.7
20 years and over	50,958	2,109	2,024	46,825	28,261	18,564	42.7	44.6
20 to 24 years	7,408	668	539	6,201	4,175	2,026	39.4	42.9
25 years and over	43,551	1,440	1,486	40,625	24,087	16,538	43.2	44.8
25 to 44 years	27,987	947	529	26,511	15,351	11,160	43.8	45.0
45 to 64 years	14,250	453	407	13,390	8,281	5,109	43.0	44.5
65 years and over	1,314	40	549	725	458	267	32.1	44.2
Women, 16 years and over	41,364	3,282	7,933	30,149	23,768	6,381	35.2	40.6
16 to 19 years	3,313	740	1,274	1,299	1,027	272	27.5	40.4
16 to 17 years	1,196	316	645	235	183	52	21.8	39.7
18 to 19 years	2,117	423	629	1,065	845	220	30.8	40.5
20 years and over	38,051	2,543	6,659	28,849	22,738	6,111	35.8	40.6
20 to 24 years	6,355	749	954	4,652	3,825	827	35.2	40.1
25 years and over	31,695	1,794	5,705	24,196	18,911	5,285	35.9	40.7
25 to 44 years	20,700	1,149	3,354	16,197	12,548	3,649	36.4	40.7
45 to 64 years	10,068	586	1,871	7,611	6,072	1,539	35.9	40.6
65 years and over	927	60	479	388	292	96	27.3	41.7
RACE								
White, 16 years and over	83,930	4,974	9,966	68,990	45,544	23,446	39.2	43.2
Men	48,381	2,284	2,765	43,332	25,663	17,669	42.2	44.7
Women	35,550	2,690	7,201	25,659	19,882	5,777	35.1	40.8
Black, 16 years and over	9,323	991	762	7,570	6,134	1,436	37.2	41.1
Men	4,712	471	216	4,025	3,044	981	39.1	42.3
Women	4,611	521	546	3,544	3,088	456	35.3	39.7
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	35,187	959	1,064	33,164	19,278	13,886	43.6	45.0
Widowed, divorced, or separated	4,910	290	191	4,429	2,737	1,692	41.8	44.2
Single (never married)	14,399	1,586	1,824	10,989	7,538	3,451	37.6	43.0
Women, 16 years and over:								
Married, spouse present	21,897	1,188	4,822	15,887	12,691	3,196	34.8	40.3
Widowed, divorced, or separated	8,185	642	938	6,605	5,039	1,566	37.4	41.3
Single (never married)	11,282	1,453	2,173	7,656	6,036	1,620	34.3	40.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-31. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

Occupation and sex	June 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
Total, 16 years and over	95,291	5,961	10,919	78,411	53,018	10,104	15,289	39.0	43.0
Managerial and professional specialty	22,127	478	1,787	19,862	12,011	2,429	5,423	41.7	44.2
Executive, administrative, and managerial	11,031	158	463	10,410	5,838	1,377	3,195	43.9	45.3
Professional specialty	11,097	320	1,324	9,452	6,173	1,052	2,228	39.5	43.0
Technical, sales, and administrative support	30,929	1,645	4,638	24,646	17,715	2,928	4,003	37.7	42.1
Technicians and related support	3,081	65	292	2,724	2,012	333	379	39.6	42.0
Sales occupations	12,124	949	2,135	9,039	5,061	1,249	2,729	38.7	45.0
Administrative support, including clerical	15,725	631	2,211	12,883	10,642	1,345	895	36.6	40.2
Service occupations	13,517	1,832	3,271	8,413	6,351	848	1,214	33.9	42.1
Private household	999	192	432	375	266	33	75	26.1	43.8
Protective service	1,565	53	107	1,405	876	187	342	42.6	45.0
Service, except private household and protective	10,953	1,587	2,732	6,634	5,209	627	798	33.3	41.4
Precision production, craft, and repair	12,545	673	365	11,508	7,480	1,700	2,327	41.8	43.6
Operators, fabricators, and laborers	16,172	1,333	858	13,982	9,461	2,199	2,321	40.1	42.9
Machine operators, assemblers, and inspectors	7,653	457	198	6,998	5,012	1,180	806	40.3	41.8
Transportation and material moving occupations	4,094	235	163	3,697	2,026	608	1,063	43.5	45.9
Handlers, equipment cleaners, helpers, and laborers	4,425	641	497	3,287	2,423	412	452	36.8	42.0
Men, 16 years and over	53,834	2,674	2,936	48,224	29,219	6,772	12,233	42.0	44.5
Managerial and professional specialty	13,603	211	544	12,849	6,959	1,541	4,349	44.4	45.9
Executive, administrative, and managerial	7,419	77	197	7,146	3,667	882	2,597	45.5	46.5
Professional specialty	6,184	134	347	5,703	3,292	659	1,752	43.1	45.1
Technical, sales, and administrative support	11,115	378	737	9,999	5,656	1,466	2,878	42.6	45.1
Technicians and related support	1,638	36	48	1,554	1,054	207	293	42.2	43.3
Sales occupations	6,394	228	524	5,642	2,605	814	2,224	43.9	47.1
Administrative support, including clerical	3,083	114	166	2,803	1,997	445	360	40.0	42.1
Service occupations	5,416	536	807	4,073	2,956	442	676	37.4	43.0
Private household	14	6	7	2	4	-	-	(¹)	(¹)
Protective service	1,347	34	72	1,240	772	151	316	43.5	45.4
Service, except private household and protective	4,055	495	728	2,832	2,180	291	360	35.4	42.0
Precision production, craft, and repair	11,451	619	282	10,550	6,744	1,564	2,243	42.0	43.7
Operators, fabricators, and laborers	12,250	930	566	10,753	6,906	1,760	2,088	41.0	43.6
Machine operators, assemblers, and inspectors	4,644	200	70	4,373	2,909	821	643	41.6	42.7
Transportation and material moving occupations	3,824	206	117	3,501	1,890	570	1,042	44.0	46.1
Handlers, equipment cleaners, helpers, and laborers	3,782	525	378	2,879	2,107	369	403	37.2	42.0
Women, 16 years and over	41,457	3,288	7,983	30,186	23,798	3,332	3,056	35.2	40.6
Managerial and professional specialty	8,524	267	1,243	7,014	5,052	888	1,074	37.4	41.2
Executive, administrative, and managerial	3,611	81	266	3,264	2,171	495	598	40.6	42.6
Professional specialty	4,913	186	977	3,750	2,881	393	475	35.0	39.9
Technical, sales, and administrative support	19,814	1,267	3,901	14,647	12,059	1,462	1,126	35.0	40.1
Technicians and related support	1,443	28	245	1,170	958	127	85	36.7	40.3
Sales occupations	5,729	721	1,612	3,397	2,456	435	506	33.0	41.5
Administrative support, including clerical	12,642	518	2,044	10,080	8,645	901	535	35.8	39.6
Service occupations	8,101	1,297	2,464	4,340	3,395	406	539	31.5	41.2
Private household	985	186	425	373	263	34	76	26.1	43.8
Protective service	218	19	35	165	104	36	25	37.2	42.0
Service, except private household and protective	6,898	1,092	2,004	3,802	3,029	336	437	32.1	41.0
Precision production, craft, and repair	1,095	54	83	958	736	137	85	38.8	41.5
Operators, fabricators, and laborers	3,923	403	292	3,228	2,555	440	233	37.5	40.7
Machine operators, assemblers, and inspectors	3,009	257	128	2,625	2,103	359	163	38.3	40.5
Transportation and material moving occupations	270	29	46	195	136	38	21	35.7	41.2
Handlers, equipment cleaners, helpers, and laborers	643	117	118	408	316	42	50	34.5	41.9

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TOTAL													
Noninstitutional population ¹	175,793	175,970	176,122	176,297	176,474	176,636	176,809	177,219	177,363	177,510	177,662	177,813	177,974
Labor force ¹	113,573	113,489	113,799	113,924	113,561	113,720	113,824	113,901	114,377	114,598	114,938	115,493	115,567
Percent of population ²	64.6	64.5	64.6	64.6	64.3	64.4	64.4	64.3	64.5	64.6	64.7	65.0	64.9
Total employed ¹	102,411	102,889	103,166	103,571	103,665	104,291	104,629	104,876	105,576	105,826	106,095	106,978	107,438
Employment-population ratio ³	58.3	58.5	58.6	58.7	58.7	59.0	59.2	59.2	59.5	59.6	59.7	60.2	60.4
Resident Armed Forces	1,668	1,664	1,682	1,695	1,695	1,685	1,688	1,686	1,684	1,686	1,693	1,690	1,690
Civilian employed	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748
Agriculture	3,479	3,499	3,449	3,308	3,240	3,257	3,356	3,271	3,395	3,281	3,393	3,389	3,403
Nonagricultural industries	97,264	97,726	98,035	98,568	98,730	99,349	99,585	99,918	100,496	100,859	101,009	101,899	102,344
Unemployed	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130
Unemployment rate ⁴	9.8	9.3	9.3	9.1	8.7	8.3	8.1	7.9	7.7	7.7	7.7	7.4	7.0
Not in labor force	62,220	62,481	62,323	62,373	62,913	62,916	62,985	63,318	62,986	62,912	62,724	62,320	62,407
Men													
Noninstitutional population ¹	84,014	84,099	84,173	84,261	84,344	84,423	84,506	84,745	84,811	84,880	84,953	85,024	85,101
Labor force ¹	64,778	64,840	64,807	64,877	64,709	64,846	64,838	64,930	65,093	65,156	65,212	65,307	65,452
Percent of population ²	77.1	77.1	77.0	77.0	76.7	76.8	76.7	76.6	76.8	76.8	76.8	76.8	76.9
Total employed ¹	58,369	58,592	58,607	58,828	58,950	59,389	59,580	59,781	60,147	60,290	60,293	60,629	60,923
Employment-population ratio ³	69.5	69.7	69.6	69.8	69.9	70.3	70.5	70.5	70.9	71.0	71.0	71.3	71.6
Resident Armed Forces	1,525	1,521	1,538	1,549	1,543	1,534	1,537	1,542	1,540	1,542	1,548	1,545	1,545
Civilian employed	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378
Unemployed	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529
Unemployment rate ⁴	9.9	9.6	9.6	9.3	8.9	8.4	8.1	7.9	7.6	7.5	7.5	7.2	6.9
Not in labor force	19,236	19,259	19,366	19,384	19,635	19,577	19,668	19,815	19,718	19,724	19,741	19,717	19,649
Women													
Noninstitutional population ¹	91,779	91,871	91,949	92,036	92,129	92,214	92,302	92,474	92,552	92,630	92,709	92,789	92,873
Labor force ¹	48,795	48,649	48,992	49,047	48,852	48,874	48,986	48,971	49,283	49,442	49,725	50,186	50,115
Percent of population ²	53.2	53.0	53.3	53.3	53.0	53.0	53.1	53.0	53.2	53.4	53.6	54.1	54.0
Total employed ¹	44,042	44,297	44,559	44,743	44,715	44,902	45,049	45,094	45,429	45,536	45,802	46,350	46,515
Employment-population ratio ³	48.0	48.2	48.5	48.6	48.5	48.7	48.8	48.8	49.1	49.2	49.4	50.0	50.1
Resident Armed Forces	143	143	144	146	152	151	151	144	144	144	145	145	145
Civilian employed	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370
Unemployed	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600
Unemployment rate ⁴	9.7	8.9	9.0	8.8	8.5	8.1	8.0	7.9	7.8	7.9	7.9	7.6	7.2
Not in labor force	42,984	43,222	42,957	42,989	43,277	43,340	43,316	43,503	43,269	43,188	42,984	42,603	42,758

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TOTAL													
Civilian noninstitutional population ¹	174,125	174,306	174,440	174,602	174,779	174,951	175,121	175,533	175,679	175,824	175,969	176,123	176,284
Civilian labor force	111,905	111,825	112,117	112,229	111,866	112,035	112,136	112,215	112,693	112,912	113,245	113,803	113,877
Percent of population	64.3	64.2	64.3	64.3	64.0	64.0	64.0	63.9	64.1	64.2	64.4	64.6	64.6
Employed	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748
Employment-population ratio ²	57.9	58.1	58.2	58.3	58.3	58.6	58.8	58.8	59.1	59.2	59.3	59.8	60.0
Unemployed	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130
Unemployment rate	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1
Men, 20 years and over													
Civilian noninstitutional population ¹	74,814	74,927	75,012	75,115	75,216	75,327	75,433	75,692	75,786	75,880	75,973	76,073	76,176
Civilian labor force	58,844	58,982	58,954	59,012	58,949	59,053	59,050	59,299	59,394	59,388	59,480	59,546	59,726
Percent of population	78.7	78.7	78.6	78.6	78.4	78.4	78.3	78.3	78.4	78.3	78.3	78.3	78.4
Employed	53,492	53,765	53,804	53,947	54,140	54,457	54,658	54,999	55,266	55,368	55,385	55,685	55,970
Employment-population ratio ²	71.5	71.8	71.7	71.8	72.0	72.3	72.5	72.7	72.9	73.0	72.9	73.2	73.5
Agriculture	2,497	2,521	2,475	2,431	2,376	2,336	2,374	2,356	2,409	2,364	2,453	2,451	2,469
Nonagricultural industries	50,995	51,244	51,329	51,516	51,764	52,121	52,284	52,643	52,857	53,004	52,932	53,234	53,501
Unemployed	5,352	5,217	5,150	5,065	4,809	4,596	4,392	4,300	4,128	4,020	4,095	3,861	3,755
Unemployment rate	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3
Not in labor force	15,970	15,945	16,058	16,103	16,267	16,274	16,383	16,393	16,392	16,492	16,493	16,527	16,450
Women, 20 years and over													
Civilian noninstitutional population ¹	84,008	84,122	84,224	84,333	84,443	84,553	84,666	84,860	84,962	85,064	85,168	85,272	85,380
Civilian labor force	44,684	44,647	44,896	45,062	44,936	44,953	45,024	44,981	45,258	45,459	45,703	46,222	46,101
Percent of population	53.2	53.1	53.3	53.4	53.2	53.2	53.2	53.0	53.3	53.4	53.7	54.2	54.0
Employed	40,847	41,123	41,298	41,550	41,570	41,738	41,843	41,798	42,138	42,315	42,517	43,098	43,146
Employment-population ratio ²	48.6	48.9	49.0	49.3	49.2	49.4	49.4	49.3	49.6	49.7	49.9	50.5	50.5
Agriculture	634	613	627	581	597	638	653	625	640	574	619	610	623
Nonagricultural industries	40,213	40,510	40,671	40,969	40,973	41,100	41,190	41,174	41,498	41,741	41,898	42,487	42,523
Unemployed	3,837	3,524	3,598	3,512	3,366	3,215	3,181	3,182	3,120	3,144	3,186	3,124	2,955
Unemployment rate	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4
Not in labor force	39,324	39,475	39,328	39,271	39,507	39,600	39,642	39,879	39,704	39,605	39,465	39,050	39,279
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,303	15,257	15,204	15,154	15,120	15,072	15,022	14,981	14,931	14,880	14,828	14,778	14,728
Civilian labor force	8,377	8,196	8,267	8,155	7,981	8,029	8,062	7,935	8,041	8,065	8,062	8,034	8,050
Percent of population	54.7	53.7	54.4	53.8	52.8	53.3	53.7	53.0	53.9	54.2	54.4	54.4	54.7
Employed	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631
Employment-population ratio ²	41.8	41.5	42.0	42.1	41.4	42.5	42.9	42.7	43.5	43.4	43.8	44.0	45.0
Agriculture	348	365	347	296	267	283	329	290	346	343	321	327	311
Nonagricultural industries	6,056	5,972	6,035	6,083	5,993	6,128	6,111	6,102	6,142	6,114	6,179	6,178	6,320
Unemployed	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419
Unemployment rate	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6
Not in labor force	6,926	7,061	6,937	6,999	7,139	7,043	6,960	7,046	6,890	6,815	6,766	6,744	6,678

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
WHITE													
Civilian noninstitutional population ¹	150,810	150,959	151,003	151,021	151,175	151,324	151,484	151,939	152,079	152,285	152,178	152,229	152,295
Civilian labor force	97,235	97,255	97,498	97,507	97,339	97,559	97,724	97,813	98,167	98,424	98,495	98,853	98,770
Percent of population	64.5	64.4	64.6	64.6	64.4	64.5	64.5	64.4	64.6	64.6	64.7	64.9	64.9
Employed	88,836	89,260	89,503	89,693	89,851	90,430	90,779	91,044	91,544	91,845	91,933	92,505	92,697
Employment-population ratio ²	58.9	59.1	59.3	59.4	59.4	59.8	59.9	59.9	60.2	60.3	60.4	60.8	60.9
Unemployed	8,399	7,995	7,995	7,814	7,488	7,129	6,945	6,768	6,623	6,580	6,562	6,348	6,072
Unemployment rate	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1
Men, 20 years and over													
Civilian labor force	51,820	51,901	51,878	51,881	51,902	52,021	52,063	52,270	52,335	52,398	52,406	52,357	52,548
Percent of population	79.0	79.0	78.9	79.0	78.9	78.9	78.9	78.8	78.8	78.8	78.8	78.7	78.9
Employed	47,704	47,891	47,886	47,908	48,128	48,414	48,589	48,964	49,149	49,343	49,329	49,440	49,744
Employment-population ratio ²	72.7	72.9	72.9	72.9	73.1	73.5	73.6	73.8	74.0	74.2	74.2	74.3	74.7
Unemployed	4,116	4,010	3,992	3,973	3,774	3,607	3,474	3,306	3,186	3,055	3,077	2,917	2,804
Unemployment rate	7.9	7.7	7.7	7.7	7.3	6.9	6.7	6.3	6.1	5.8	5.9	5.6	5.3
Women, 20 years and over													
Civilian labor force	38,129	38,161	38,356	38,468	38,438	38,489	38,556	38,505	38,726	38,873	39,032	39,439	39,226
Percent of population	52.6	52.5	52.7	52.8	52.7	52.7	52.8	52.6	52.8	52.9	53.1	53.7	53.3
Employed	35,309	35,574	35,767	35,928	36,016	36,177	36,292	36,180	36,465	36,570	36,688	37,150	37,042
Employment-population ratio ²	48.7	48.9	49.2	49.3	49.4	49.6	49.7	49.4	49.7	49.8	49.9	50.5	50.4
Unemployed	2,820	2,587	2,589	2,540	2,422	2,312	2,264	2,325	2,261	2,303	2,344	2,289	2,184
Unemployment rate	7.4	6.8	6.7	6.6	6.3	6.0	5.9	6.0	5.8	5.9	6.0	5.8	5.6
Both sexes, 16 to 19 years													
Civilian labor force	7,286	7,193	7,264	7,158	6,999	7,049	7,105	7,038	7,106	7,153	7,057	7,057	6,996
Percent of population	57.6	57.2	57.9	57.3	56.2	56.7	57.2	56.9	57.7	58.3	57.7	58.0	57.7
Employed	5,823	5,795	5,850	5,857	5,707	5,839	5,898	5,900	5,930	5,932	5,916	5,915	5,911
Employment-population ratio ²	46.1	46.1	46.6	46.9	45.8	47.0	47.5	47.7	48.1	48.3	48.4	48.6	48.7
Unemployed	1,463	1,398	1,414	1,301	1,292	1,210	1,207	1,138	1,176	1,221	1,141	1,142	1,085
Unemployment rate	20.1	19.4	19.5	18.2	18.5	17.2	17.0	16.2	16.5	17.1	16.2	16.2	15.5
Men	20.4	20.3	20.7	18.9	19.8	17.6	17.5	17.8	16.4	17.3	16.6	16.8	16.5
Women	19.7	18.4	18.2	17.4	16.9	16.6	16.5	14.5	16.7	16.8	15.7	15.5	14.5
BLACK													
Civilian noninstitutional population ¹	18,911	18,942	18,966	18,994	19,026	19,057	19,086	19,196	19,222	19,248	19,274	19,302	19,330
Civilian labor force	11,718	11,741	11,724	11,720	11,565	11,623	11,650	11,660	11,881	11,867	11,934	12,008	11,962
Percent of population	62.0	62.0	61.8	61.7	60.8	61.0	61.0	60.7	61.8	61.7	61.9	62.2	61.9
Employed	9,339	9,443	9,408	9,504	9,449	9,563	9,582	9,707	9,958	9,896	9,923	10,105	10,168
Employment-population ratio ²	49.4	49.9	49.6	50.0	49.7	50.2	50.2	50.6	51.8	51.4	51.5	52.4	52.6
Unemployed	2,379	2,298	2,316	2,216	2,116	2,060	2,068	1,953	1,923	1,972	2,011	1,903	1,795
Unemployment rate	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0
Men, 20 years and over													
Civilian labor force	5,562	5,599	5,578	5,553	5,501	5,568	5,565	5,621	5,677	5,660	5,607	5,673	5,646
Percent of population	75.7	76.0	75.6	75.1	74.2	74.9	74.7	74.8	75.4	75.0	74.2	74.9	74.4
Employed	4,512	4,559	4,563	4,613	4,607	4,701	4,722	4,789	4,877	4,789	4,712	4,872	4,811
Employment-population ratio ²	61.4	61.9	61.8	62.4	62.1	63.2	63.4	63.7	64.8	63.5	62.4	64.3	63.4
Unemployed	1,050	1,040	1,015	940	894	867	843	833	800	871	894	801	835
Unemployment rate	18.9	18.6	18.2	16.9	16.3	15.6	15.1	14.8	14.1	15.4	16.0	14.1	14.8
Women, 20 years and over													
Civilian labor force	5,287	5,317	5,312	5,358	5,277	5,270	5,303	5,277	5,408	5,425	5,469	5,547	5,496
Percent of population	56.7	56.9	56.7	57.1	56.1	55.9	56.2	55.6	56.9	57.0	57.3	58.0	57.4
Employed	4,391	4,458	4,440	4,495	4,438	4,448	4,461	4,522	4,630	4,690	4,737	4,793	4,818
Employment-population ratio ²	47.1	47.7	47.4	47.9	47.2	47.2	47.3	47.7	48.7	49.2	49.6	50.1	50.3
Unemployed	896	859	872	863	839	822	842	755	777	735	731	754	679
Unemployment rate	16.9	16.2	16.4	16.1	15.9	15.6	15.9	14.3	14.4	13.5	13.4	13.6	12.4

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983							1984					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	869	825	834	809	787	785	782	762	796	783	859	787	820
Percent of population	39.0	37.1	37.6	36.6	35.6	35.6	35.6	34.7	36.4	35.9	39.5	36.3	37.9
Employed	436	426	405	396	404	414	399	397	450	417	474	440	539
Employment-population ratio ²	19.6	19.1	18.3	17.9	18.3	18.8	18.2	18.1	20.6	19.1	21.8	20.3	24.9
Unemployed	433	399	429	413	383	371	383	365	346	366	385	347	281
Unemployment rate	49.8	48.4	51.4	51.1	48.7	47.3	49.0	47.9	43.5	46.7	44.8	44.1	34.3
Men	50.7	48.3	53.7	52.7	45.6	44.9	46.4	47.1	46.7	44.4	42.8	40.9	35.3
Women	48.7	48.4	48.8	49.2	52.2	50.0	51.9	48.8	39.9	49.6	47.1	48.2	33.1
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,738	9,640	9,690	9,700	9,745	9,677	9,735	9,778	9,906	10,080	10,072	10,026	9,824
Civilian labor force	6,202	6,090	6,145	6,202	6,165	6,232	6,267	6,336	6,292	6,484	6,378	6,332	6,298
Percent of population	63.7	63.2	63.4	63.9	63.3	64.4	64.4	64.8	63.5	64.3	63.3	63.2	64.1
Employed	5,336	5,339	5,350	5,392	5,398	5,463	5,540	5,627	5,652	5,751	5,643	5,666	5,669
Employment-population ratio ²	54.8	55.4	55.2	55.6	55.4	56.5	56.9	57.6	57.1	57.1	56.0	56.5	57.7
Unemployed	866	751	795	810	767	769	727	708	639	733	735	666	629
Unemployment rate	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-35. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1983							1984					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTIC													
Total	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748
Married men, spouse present	37,911	38,254	38,281	38,232	38,240	38,388	38,494	38,682	38,911	38,927	39,062	39,159	39,072
Married women, spouse present	24,416	24,618	24,905	24,921	24,953	25,057	25,140	24,947	25,212	25,239	25,457	25,722	25,786
Women who maintain families	5,029	5,071	5,096	5,124	5,172	5,236	5,254	5,293	5,346	5,444	5,491	5,668	5,688
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,624	1,631	1,628	1,572	1,505	1,481	1,512	1,443	1,560	1,515	1,661	1,610	1,604
Self-employed workers	1,591	1,573	1,564	1,515	1,527	1,556	1,572	1,613	1,609	1,580	1,534	1,537	1,570
Unpaid family workers	252	251	240	236	227	224	265	233	232	198	207	246	212
Nonagricultural industries:													
Wage and salary workers	89,345	89,687	90,032	90,743	90,617	91,094	91,422	91,641	92,379	92,819	92,931	93,928	94,040
Government	15,514	15,593	15,671	15,560	15,578	15,585	15,481	15,535	15,822	15,813	15,784	15,761	15,685
Private industries	73,831	74,094	74,361	75,183	75,039	75,509	75,941	76,106	76,557	77,006	77,147	78,167	78,355
Private households	1,295	1,276	1,270	1,279	1,278	1,216	1,241	1,197	1,219	1,155	1,296	1,347	1,329
Other industries	72,536	72,818	73,091	73,904	73,761	74,293	74,700	74,909	75,339	75,851	75,851	76,820	77,026
Self-employed workers	7,510	7,595	7,641	7,656	7,695	7,800	7,734	7,936	7,849	7,755	7,834	7,707	7,828
Unpaid family workers	352	322	375	380	405	474	450	364	330	326	338	311	348
PERSONS AT WORK¹													
Nonagricultural industries	90,913	92,126	91,953	93,322	93,273	93,834	94,173	94,707	95,067	94,982	96,918	96,523	96,500
Full-time schedules	73,071	73,844	73,499	74,666	75,047	75,398	75,802	76,237	76,715	77,004	78,276	78,280	78,496
Part time for economic reasons	5,886	5,700	5,866	6,027	5,724	5,848	5,712	5,943	5,808	5,463	5,593	5,353	5,491
Usually work full time	1,777	1,781	1,742	1,771	1,617	1,719	1,672	1,771	1,611	1,472	1,530	1,549	1,654
Usually work part time	4,109	3,919	4,124	4,256	4,107	4,129	4,040	4,172	4,197	3,991	4,063	3,804	3,837
Part time for noneconomic reasons	11,956	12,582	12,588	12,629	12,502	12,588	12,659	12,527	12,545	12,515	13,049	12,889	12,514

¹ Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	100,743	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748
16 to 24 years	20,211	20,215	20,170	20,217	20,085	20,338	20,377	20,401	20,628	20,616	20,639	20,873	21,127
16 to 19 years	6,404	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631
16 to 17 years	2,315	2,283	2,331	2,320	2,257	2,332	2,355	2,321	2,342	2,376	2,379	2,493	2,453
18 to 19 years	4,104	4,067	4,013	4,062	4,012	4,064	4,092	4,114	4,153	4,082	4,125	4,024	4,176
20 to 24 years	13,807	13,878	13,788	13,838	13,825	13,927	13,937	14,008	14,140	14,159	14,139	14,368	14,496
25 years and over	80,528	81,020	81,363	81,668	81,892	82,268	82,551	82,765	83,294	83,493	83,729	84,440	84,648
25 to 54 years	66,380	66,797	67,155	67,323	67,537	67,913	68,179	68,534	68,964	69,279	69,516	70,138	70,485
55 years and over	14,178	14,224	14,231	14,368	14,364	14,364	14,347	14,239	14,293	14,212	14,274	14,260	14,179
Men, 16 years and over	56,844	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378
16 to 24 years	10,689	10,606	10,566	10,634	10,569	10,789	10,770	10,700	10,864	10,965	10,947	11,084	11,145
16 to 19 years	3,352	3,306	3,265	3,332	3,267	3,398	3,385	3,240	3,342	3,380	3,361	3,399	3,408
16 to 17 years	1,219	1,200	1,206	1,217	1,165	1,223	1,224	1,222	1,223	1,256	1,220	1,297	1,246
18 to 19 years	2,147	2,116	2,054	2,120	2,102	2,155	2,151	2,050	2,120	2,126	2,144	2,105	2,153
20 to 24 years	7,337	7,300	7,301	7,302	7,302	7,391	7,385	7,460	7,523	7,586	7,586	7,686	7,737
25 years and over	46,168	46,430	46,511	46,666	46,834	47,073	47,266	47,531	47,745	47,777	47,798	48,044	48,260
25 to 54 years	37,748	37,953	38,052	38,173	38,334	38,550	38,757	39,049	39,271	39,418	39,431	39,622	39,909
55 years and over	8,460	8,481	8,468	8,499	8,499	8,541	8,470	8,495	8,473	8,373	8,387	8,366	8,379
Women, 16 years and over	43,899	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370
16 to 24 years	9,522	9,609	9,604	9,583	9,516	9,549	9,607	9,700	9,763	9,651	9,692	9,789	9,982
16 to 19 years	3,052	3,031	3,117	3,047	2,993	3,013	3,055	3,152	3,147	3,078	3,139	3,107	3,223
16 to 17 years	1,096	1,083	1,125	1,103	1,092	1,109	1,131	1,099	1,119	1,120	1,159	1,196	1,207
18 to 19 years	1,957	1,951	1,959	1,942	1,910	1,909	1,941	2,064	2,033	1,956	1,981	1,919	2,023
20 to 24 years	6,470	6,578	6,487	6,536	6,523	6,536	6,552	6,548	6,617	6,573	6,553	6,682	6,759
25 years and over	34,360	34,590	34,852	35,002	35,058	35,195	35,285	35,234	35,549	35,716	35,931	36,396	36,387
25 to 54 years	28,632	28,844	29,103	29,150	29,203	29,363	29,422	29,485	29,694	29,861	30,085	30,517	30,577
55 years and over	5,718	5,743	5,763	5,869	5,865	5,823	5,877	5,744	5,820	5,839	5,887	5,893	5,801

A-37. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	11,162	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130
16 to 24 years	4,322	4,096	4,197	3,994	3,899	3,692	3,564	3,537	3,410	3,467	3,522	3,402	3,156
16 to 19 years	1,973	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419
16 to 17 years	798	767	767	731	712	653	700	649	663	712	683	632	602
18 to 19 years	1,176	1,071	1,107	1,046	1,020	972	947	878	881	904	876	896	813
20 to 24 years	2,349	2,237	2,312	2,218	2,178	2,074	1,942	1,994	1,857	1,859	1,960	1,873	1,737
25 years and over	6,871	6,486	6,424	6,370	6,002	5,728	5,659	5,474	5,405	5,279	5,301	5,132	4,996
25 to 54 years	5,990	5,707	5,668	5,610	5,259	5,007	4,938	4,789	4,742	4,647	4,663	4,474	4,274
55 years and over	825	798	765	785	753	741	742	700	636	643	621	659	683
Men, 16 years and over	6,409	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529
16 to 24 years	2,448	2,397	2,408	2,271	2,209	2,042	1,998	1,971	1,857	1,869	1,925	1,812	1,772
16 to 19 years	1,057	1,031	1,050	984	950	861	866	849	818	847	824	817	774
16 to 17 years	429	451	423	383	374	344	372	336	337	376	378	352	365
18 to 19 years	635	568	619	605	579	524	501	501	469	472	448	472	413
20 to 24 years	1,391	1,366	1,358	1,287	1,259	1,181	1,132	1,122	1,039	1,022	1,101	995	998
25 years and over	3,962	3,826	3,791	3,794	3,552	3,417	3,283	3,154	3,089	2,988	2,996	2,878	2,757
25 to 54 years	3,465	3,337	3,311	3,315	3,074	2,935	2,799	2,743	2,686	2,569	2,604	2,480	2,377
55 years and over	492	489	482	507	482	490	481	431	396	408	382	394	378
Women, 16 years and over	4,753	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600
16 to 24 years	1,874	1,699	1,789	1,723	1,690	1,650	1,566	1,566	1,552	1,598	1,597	1,591	1,384
16 to 19 years	916	828	835	792	771	757	756	694	735	761	738	712	645
16 to 17 years	369	316	344	348	338	309	328	313	326	336	305	280	237
18 to 19 years	541	503	488	441	441	448	446	377	412	432	428	424	400
20 to 24 years	958	871	954	931	919	893	810	872	817	837	859	879	739
25 years and over	2,909	2,660	2,633	2,576	2,450	2,311	2,376	2,320	2,316	2,291	2,305	2,254	2,238
25 to 54 years	2,525	2,370	2,357	2,295	2,185	2,072	2,139	2,046	2,057	2,078	2,059	1,994	1,897
55 years and over	333	309	283	278	271	251	261	269	240	235	239	266	305

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-38. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1
16 to 24 years	17.6	16.8	17.2	16.5	16.3	15.4	14.9	14.8	14.2	14.4	14.6	14.0	13.0
16 to 19 years	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6
16 to 17 years	25.6	25.1	24.8	24.0	24.0	21.9	22.9	21.9	22.1	23.1	22.3	20.2	19.7
18 to 19 years	22.3	20.8	21.6	20.5	20.3	19.3	18.8	17.6	17.5	18.1	17.5	18.2	16.3
20 to 24 years	14.5	13.9	14.4	13.8	13.6	13.0	12.2	12.5	11.6	11.6	12.2	11.5	10.7
25 years and over	7.9	7.4	7.3	7.2	6.8	6.5	6.4	6.2	6.1	5.9	6.0	5.7	5.6
25 to 54 years	6.3	7.9	7.8	7.7	7.2	6.9	6.8	6.5	6.4	6.3	6.3	6.0	5.7
55 years and over	5.5	5.3	5.1	5.2	5.0	4.9	4.9	4.7	4.3	4.3	4.2	4.4	4.6
Men, 16 years and over	10.1	9.9	9.8	9.6	9.1	8.6	8.3	8.1	7.8	7.7	7.7	7.3	7.1
16 to 24 years	18.6	18.4	18.6	17.6	17.3	15.9	15.6	15.6	14.6	14.6	15.0	14.0	13.7
16 to 19 years	24.0	23.8	24.3	22.8	22.5	20.2	20.4	20.8	19.7	20.0	19.7	19.4	18.5
16 to 17 years	26.0	27.3	26.0	23.9	24.3	22.0	23.3	21.6	21.6	23.0	23.7	21.3	22.7
18 to 19 years	22.8	21.2	23.2	22.2	21.6	19.6	18.9	19.6	18.1	18.2	17.3	18.3	16.1
20 to 24 years	15.9	15.8	15.7	15.0	14.7	13.8	13.3	13.1	12.1	11.9	12.7	11.5	11.4
25 years and over	7.9	7.6	7.5	7.5	7.0	6.8	6.5	6.2	6.1	5.9	5.9	5.7	5.4
25 to 54 years	8.4	8.1	8.0	8.0	7.4	7.1	6.7	6.6	6.4	6.1	6.2	5.9	5.6
55 years and over	5.5	5.5	5.4	5.6	5.4	5.4	5.4	4.8	4.5	4.6	4.4	4.5	4.3
Women, 16 years and over	9.8	9.0	9.1	8.8	8.5	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.2
16 to 24 years	16.4	15.0	15.7	15.2	15.1	14.7	14.0	13.9	13.7	14.2	14.1	14.0	12.2
16 to 19 years	23.1	21.5	21.1	20.6	20.5	20.1	19.8	18.0	18.9	19.8	19.0	18.6	16.7
16 to 17 years	25.2	22.6	23.4	24.0	23.6	21.8	22.5	22.2	22.6	23.1	20.8	19.0	16.4
18 to 19 years	21.7	20.5	19.9	18.5	18.8	19.0	18.7	15.4	16.9	18.1	17.8	18.1	16.5
20 to 24 years	12.9	11.7	12.8	12.5	12.3	12.0	11.0	11.7	11.0	11.3	11.6	11.6	9.9
25 years and over	7.8	7.1	7.0	6.9	6.5	6.2	6.3	6.2	6.1	6.0	6.0	5.8	5.8
25 to 54 years	8.1	7.6	7.5	7.3	7.0	6.6	6.8	6.5	6.5	6.5	6.4	6.1	5.8
55 years and over	5.5	5.1	4.7	4.5	4.4	4.1	4.3	4.5	4.0	3.9	3.9	4.3	5.0

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTIC													
Total (all civilian workers)	10.0	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1
Men, 20 years and over	9.1	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3
Women, 20 years and over	8.6	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4
Both sexes, 16 to 19 years	23.6	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6
White	8.6	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1
Black and other	18.6	17.9	17.9	17.3	16.7	16.1	16.3	15.6	14.9	15.1	15.1	14.2	13.4
Black	20.3	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0
Hispanic origin	14.0	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0
Married men, spouse present	6.7	6.2	6.3	6.1	5.7	5.5	5.2	5.0	4.9	4.7	4.7	4.5	4.5
Married women, spouse present	7.6	7.0	6.9	6.8	6.3	6.0	6.1	6.0	5.9	5.8	5.8	5.8	5.6
Women who maintain families	12.5	11.8	11.8	12.0	11.4	10.5	10.9	10.7	11.0	11.0	10.5	9.8	9.6
Full-time workers	9.7	9.4	9.3	9.1	8.7	8.2	8.0	7.8	7.5	7.5	7.6	7.2	6.7
Part-time workers	11.8	10.2	10.2	10.1	10.0	9.8	9.8	9.2	9.3	9.2	9.1	9.3	10.3
Unemployed 15 weeks and over ¹	4.0	3.9	3.6	3.5	3.3	3.1	3.0	2.9	2.6	2.5	2.5	2.5	2.3
Labor force time lost ²	11.1	10.7	10.7	10.5	10.0	9.7	9.4	9.2	8.9	8.8	8.9	8.5	8.3
INDUSTRY													
Nonagricultural private wage and salary workers	10.1	9.7	9.8	9.4	9.0	8.6	8.3	7.9	7.8	7.6	7.7	7.2	7.0
Mining	17.9	16.6	14.9	16.9	12.1	12.8	12.4	10.9	12.2	11.2	10.3	8.9	7.1
Construction	18.4	18.0	17.9	18.1	15.8	15.6	16.3	15.0	15.1	13.3	14.3	14.8	14.8
Manufacturing	11.6	10.7	11.2	10.2	9.6	8.9	8.3	8.4	7.5	7.5	7.7	7.1	7.2
Durable goods	12.5	11.4	11.7	10.9	10.2	9.0	8.3	8.0	7.3	7.8	7.5	7.0	7.2
Non-durable goods	10.2	9.7	10.5	9.3	8.7	8.7	8.2	8.9	7.8	7.2	8.0	7.1	7.3
Transportation and public utilities	7.8	7.3	7.7	7.4	7.2	6.7	6.5	5.1	5.9	5.0	5.4	5.5	5.2
Wholesale and retail trade	10.2	9.8	9.8	9.5	9.8	9.1	8.8	8.4	8.3	8.3	8.7	7.9	7.2
Finance and service industries	7.2	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.3	6.4	6.1	5.5	5.4
Agricultural wage and salary workers	16.5	15.0	15.1	16.5	16.2	15.7	15.6	15.5	14.0	14.6	12.2	13.9	11.8

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

A-40. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
DURATION													
Less than 5 weeks	3,630	3,529	3,633	3,740	3,504	3,328	3,382	3,233	3,359	3,386	3,438	3,238	3,174
5 to 14 weeks	2,950	2,841	2,951	2,784	2,725	2,616	2,504	2,556	2,484	2,539	2,493	2,433	2,294
15 weeks and over	4,486	4,398	4,078	3,889	3,655	3,527	3,369	3,201	2,984	2,873	2,855	2,851	2,619
15 to 26 weeks	1,593	1,794	1,597	1,383	1,372	1,337	1,284	1,166	1,173	1,114	1,111	1,186	1,008
27 weeks and over	2,893	2,604	2,481	2,506	2,283	2,190	2,085	2,035	1,810	1,759	1,744	1,664	1,611
Average (mean) duration, in weeks	21.4	21.3	19.9	20.2	20.1	20.2	19.6	20.5	18.8	18.8	18.5	18.4	18.6
Median duration, in weeks	10.8	10.1	9.4	9.4	9.5	9.4	9.0	9.2	8.3	8.3	8.1	8.7	7.2
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	32.8	32.8	34.1	35.9	35.5	35.1	36.5	36.0	38.1	38.5	39.1	38.0	39.2
5 to 14 weeks	26.7	26.4	27.7	26.7	27.6	27.6	27.1	28.4	28.1	28.9	28.4	28.6	28.4
15 weeks and over	40.5	40.8	38.2	37.3	37.0	37.2	36.4	35.6	33.8	32.7	32.5	33.5	32.4
15 to 26 weeks	14.4	16.7	15.0	13.3	13.9	14.1	13.9	13.0	13.3	12.7	12.6	13.9	12.5
27 weeks and over	26.1	24.2	23.3	24.1	23.1	23.1	22.5	22.6	20.5	20.0	19.8	19.5	19.9

A-41. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEMPLOYED													
Job losers	6,525	6,235	6,133	5,938	5,601	5,226	5,017	4,825	4,737	4,614	4,527	4,327	4,220
On layoff	1,841	1,735	1,660	1,562	1,392	1,321	1,283	1,238	1,272	1,254	1,108	1,192	1,166
Other job losers	4,684	4,500	4,473	4,376	4,209	3,905	3,734	3,588	3,465	3,360	3,419	3,134	3,055
Job leavers	799	752	799	858	866	868	855	809	772	756	781	804	800
Reentrants	2,436	2,415	2,479	2,362	2,322	2,250	2,246	2,192	2,153	2,208	2,308	2,178	1,968
New entrants	1,412	1,229	1,214	1,234	1,127	1,154	1,150	1,175	1,092	1,213	1,216	1,186	1,136
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	58.4	58.6	57.7	57.1	56.5	55.0	54.1	53.6	54.1	52.5	51.3	50.9	51.9
On layoff	16.5	16.3	15.6	15.0	14.0	13.9	13.8	13.7	14.5	14.3	12.5	14.0	14.4
Other job losers	41.9	42.3	42.1	42.1	42.4	41.1	40.3	39.9	39.6	38.2	38.7	36.9	37.6
Job leavers	7.2	7.1	7.5	8.3	8.7	9.1	9.2	9.0	8.8	8.6	8.8	9.5	9.8
Reentrants	21.8	22.7	23.3	22.7	23.4	23.7	24.2	24.4	24.6	25.1	26.1	25.6	24.2
New entrants	12.6	11.6	11.4	11.9	11.4	12.1	12.4	13.1	12.5	13.8	13.8	14.0	14.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.8	5.6	5.5	5.3	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.7
Job leavers .....	.7	.7	.7	.8	.8	.8	.8	.7	.7	.7	.7	.7	.7
Reentrants	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.7
New entrants	1.3	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1981			1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Noninstitutional population ¹	171,467	172,071	172,649	173,161	173,686	174,200	174,710	175,170	175,626	176,129	176,639	177,364	177,816
Labor force ²	110,499	110,167	110,668	111,078	111,858	112,195	112,493	112,365	112,946	113,737	113,702	114,292	115,333
Percent of population ²	64.4	64.0	64.1	64.1	64.4	64.4	64.4	64.1	64.3	64.6	64.4	64.4	64.9
Total employed ³	102,480	102,110	101,680	101,413	101,476	101,171	100,718	100,879	101,706	103,209	104,195	105,426	106,837
Employment-population ratio ³	59.8	59.3	58.9	58.6	58.4	58.1	57.6	57.6	57.9	58.6	59.0	59.4	60.1
Resident Armed Forces	1,630	1,658	1,659	1,664	1,666	1,678	1,664	1,665	1,669	1,680	1,689	1,685	1,691
Civilian employed	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506	103,740	105,146
Agriculture	3,417	3,342	3,345	3,384	3,389	3,388	3,457	3,407	3,415	3,419	3,284	3,316	3,395
Nonagricultural industries	97,432	97,110	96,677	96,365	96,421	96,105	95,597	95,807	96,622	98,110	99,221	100,424	101,751
Unemployed	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507	8,866	8,496
Unemployment rate ⁴	7.3	7.3	8.1	8.7	9.3	9.8	10.5	10.2	10.0	9.3	8.4	7.8	7.4
Not in labor force	60,968	61,904	61,981	62,083	61,828	62,005	62,217	62,805	62,680	62,392	62,938	63,072	62,484
Men													
Noninstitutional population ¹	81,874	82,163	82,442	82,678	82,926	83,167	83,435	83,720	83,934	84,178	84,424	84,812	85,026
Labor force ²	63,562	63,400	63,560	63,725	63,991	64,038	64,284	64,063	64,479	64,841	64,798	65,060	65,324
Percent of population ²	77.6	77.2	77.1	77.1	77.2	77.0	77.0	76.5	76.8	77.0	76.8	76.7	76.8
Total employed ³	59,150	59,008	58,511	58,202	58,033	57,605	57,357	57,359	57,901	58,676	59,306	60,073	60,615
Employment-population ratio ³	72.2	71.8	71.0	70.4	70.0	69.3	68.7	68.5	69.0	69.7	70.2	70.8	71.3
Resident Armed Forces	1,499	1,521	1,525	1,526	1,527	1,538	1,523	1,529	1,528	1,536	1,538	1,541	1,546
Civilian employed	57,651	57,487	56,986	56,676	56,506	56,067	55,834	55,830	56,373	57,140	57,768	58,531	59,069
Unemployed	4,412	4,392	5,050	5,522	5,958	6,434	6,927	6,704	6,578	6,166	5,491	4,987	4,709
Unemployment rate ⁴	6.9	6.9	7.9	8.7	9.3	10.0	10.8	10.5	10.2	9.5	8.5	7.7	7.2
Not in labor force	18,312	18,763	18,882	18,953	18,935	19,129	19,151	19,657	19,455	19,337	19,626	19,752	19,702
Women													
Noninstitutional population ¹	89,593	89,908	90,207	90,482	90,759	91,033	91,274	91,450	91,693	91,952	92,215	92,552	92,790
Labor force ²	46,937	46,767	47,108	47,352	47,866	48,157	48,209	48,302	48,467	48,896	48,904	49,232	50,009
Percent of population ²	52.4	52.0	52.2	52.3	52.7	52.9	52.8	52.8	52.9	53.2	53.0	53.2	53.9
Total employed ³	43,330	43,102	43,170	43,209	43,442	43,566	43,361	43,520	43,806	44,533	44,889	45,353	46,222
Employment-population ratio ³	48.4	47.9	47.9	47.8	47.9	47.9	47.5	47.6	47.8	48.4	48.7	49.0	49.8
Resident Armed Forces	131	137	134	137	138	140	141	136	142	144	151	144	145
Civilian employed	43,199	42,965	43,036	43,072	43,304	43,426	43,220	43,384	43,664	44,389	44,737	45,209	46,077
Unemployed	3,607	3,665	3,938	4,143	4,424	4,591	4,848	4,782	4,661	4,363	4,015	3,879	3,787
Unemployment rate ⁴	7.7	7.8	8.4	8.7	9.2	9.5	10.1	9.9	9.6	8.9	8.2	7.9	7.6
Not in labor force	42,656	43,141	43,099	43,130	42,893	42,876	43,065	43,148	43,226	43,056	43,311	43,320	42,781

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-42 through A-51 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-43. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1981			1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Civilian noninstitutional population ¹	169,837	170,413	170,990	171,497	172,020	172,522	173,046	173,505	173,957	174,449	174,950	175,679	176,125
Civilian labor force	108,869	108,509	109,009	109,414	110,192	110,517	110,829	110,700	111,277	112,057	112,012	112,607	113,642
Percent of population	64.1	63.7	63.8	63.8	64.1	64.1	64.0	63.8	64.0	64.2	64.0	64.1	64.5
Employed	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506	103,740	105,146
Employment-population ratio ²	59.4	58.9	58.5	58.2	58.0	57.7	57.2	57.2	57.5	58.2	58.6	59.1	59.7
Unemployed	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507	8,866	8,496
Unemployment rate	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5	7.9	7.5
Men, 20 years and over													
Civilian noninstitutional population ¹	72,251	72,567	72,912	73,205	73,492	73,775	74,105	74,434	74,712	75,018	75,325	75,786	76,074
Civilian labor force	57,248	57,192	57,364	57,608	57,963	58,130	58,335	58,208	58,634	58,983	59,017	59,360	59,584
Percent of population	79.2	78.8	78.7	78.7	78.9	78.8	78.7	78.2	78.5	78.6	78.4	78.3	78.3
Employed	53,787	53,709	53,309	53,136	53,091	52,791	52,537	52,563	53,095	53,839	54,418	55,211	55,680
Employment-population ratio ²	74.4	74.0	73.1	72.6	72.2	71.6	70.9	70.6	71.1	71.8	72.2	72.9	73.2
Agriculture	2,402	2,372	2,382	2,399	2,426	2,422	2,440	2,421	2,453	2,476	2,362	2,376	2,458
Nonagricultural industries	51,385	51,338	50,927	50,737	50,665	50,369	50,097	50,142	50,642	51,363	52,056	52,834	53,222
Unemployed	3,461	3,482	4,055	4,472	4,873	5,338	5,798	5,645	5,539	5,144	4,599	4,149	3,904
Unemployment rate	6.0	6.1	7.1	7.8	8.4	9.2	9.9	9.7	9.4	8.7	7.8	7.0	6.6
Not in labor force	15,003	15,375	15,548	15,597	15,529	15,645	15,770	16,226	16,078	16,035	16,308	16,426	16,490
Women, 20 years and over													
Civilian noninstitutional population ¹	81,312	81,675	82,036	82,368	82,703	83,037	83,346	83,594	83,900	84,227	84,554	84,962	85,273
Civilian labor force	42,536	42,455	42,894	43,141	43,662	43,949	44,053	44,247	44,442	44,868	44,971	45,232	46,009
Percent of population	52.3	52.0	52.3	52.4	52.8	52.9	52.9	52.9	53.0	53.3	53.2	53.2	54.0
Employed	39,717	39,568	39,798	39,869	40,099	40,268	40,108	40,313	40,654	41,324	41,717	42,084	42,920
Employment-population ratio ²	48.8	48.4	48.5	48.4	48.5	48.5	48.1	48.2	48.5	49.1	49.3	49.5	50.3
Agriculture	596	609	612	613	601	596	599	630	620	607	629	613	617
Nonagricultural industries	39,121	38,959	39,186	39,256	39,497	39,671	39,509	39,683	40,034	40,717	41,088	41,471	42,303
Unemployed	2,819	2,887	3,095	3,272	3,563	3,681	3,945	3,934	3,788	3,545	3,254	3,149	3,088
Unemployment rate	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9	7.2	7.0	6.7
Not in labor force	38,776	39,220	39,142	39,227	39,041	39,088	39,293	39,347	39,458	39,359	39,583	39,730	39,264
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	16,275	16,171	16,042	15,923	15,825	15,709	15,595	15,477	15,345	15,205	15,071	14,931	14,778
Civilian labor force	9,085	8,862	8,751	8,665	8,567	8,439	8,441	8,245	8,201	8,206	8,024	8,014	8,049
Percent of population	55.8	54.8	54.6	54.4	54.1	53.7	54.1	53.3	53.4	54.0	53.2	53.7	54.5
Employed	7,346	7,175	6,914	6,743	6,621	6,434	6,409	6,338	6,298	6,366	6,370	6,446	6,545
Employment-population ratio ²	45.1	44.4	43.1	42.3	41.8	41.0	41.1	41.0	41.0	41.9	42.3	43.2	44.3
Agriculture	419	362	351	371	362	369	418	356	342	336	293	327	320
Nonagricultural industries	6,927	6,813	6,563	6,372	6,259	6,064	5,991	5,982	5,946	6,030	6,077	6,119	6,226
Unemployed	1,739	1,688	1,838	1,922	1,946	2,005	2,032	1,907	1,912	1,840	1,654	1,568	1,503
Unemployment rate	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6	19.6	18.7
Not in labor force	7,190	7,309	7,291	7,258	7,258	7,270	7,154	7,232	7,144	6,999	7,047	6,917	6,729

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1981				1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
WHITE														
Civilian noninstitutional population ¹	147,671	148,164	148,650	148,943	149,309	149,586	149,927	150,233	150,666	150,994	151,327	152,101	152,234	
Civilian labor force	95,229	94,911	95,310	95,594	96,237	96,354	96,521	96,263	96,719	97,420	97,541	98,135	98,706	
Percent of population	64.5	64.1	64.1	64.2	64.5	64.4	64.4	64.1	64.2	64.5	64.5	64.5	64.8	
Employed	89,080	88,815	88,403	88,150	88,239	87,840	87,368	87,459	88,231	89,485	90,353	91,478	92,378	
Employment-population ratio ²	60.3	59.9	59.5	59.2	59.1	58.7	58.3	58.2	58.6	59.3	59.7	60.1	60.7	
Unemployed	6,149	6,096	6,907	7,445	7,998	8,514	9,153	8,804	8,488	7,935	7,187	6,657	6,328	
Unemployment rate	6.5	6.4	7.2	7.8	8.3	8.8	9.5	9.1	8.8	8.1	7.4	6.8	6.4	
Men, 20 years and over														
Civilian labor force	50,732	50,655	50,805	50,970	51,215	51,315	51,434	51,243	51,620	51,887	51,995	52,334	52,437	
Percent of population	79.8	79.3	79.2	79.2	79.3	79.2	79.2	78.6	78.8	79.0	78.9	78.8	78.8	
Employed	48,035	47,978	47,627	47,486	47,404	47,102	46,839	46,836	47,340	47,895	48,377	49,152	49,504	
Employment-population ratio ²	75.6	75.1	74.2	73.8	73.4	72.7	72.1	71.8	72.2	72.9	73.4	74.0	74.4	
Unemployed	2,697	2,677	3,178	3,484	3,810	4,213	4,595	4,407	4,280	3,992	3,618	3,182	2,933	
Unemployment rate	5.3	5.3	6.3	6.8	7.4	8.2	8.9	8.6	8.3	7.7	7.0	6.1	5.6	
Women, 20 years and over														
Civilian labor force	36,477	36,373	36,752	36,979	37,420	37,614	37,684	37,722	37,909	38,328	38,494	38,701	39,232	
Percent of population	51.7	51.4	51.7	51.8	52.3	52.4	52.3	52.2	52.3	52.7	52.7	52.7	53.4	
Employed	34,386	34,270	34,460	34,516	34,752	34,850	34,711	34,821	35,147	35,756	36,162	36,405	36,960	
Employment-population ratio ²	48.8	48.4	48.4	48.4	48.5	48.5	48.2	48.2	48.5	49.2	49.5	49.6	50.3	
Unemployed	2,091	2,104	2,293	2,463	2,668	2,764	2,973	2,901	2,762	2,572	2,333	2,296	2,272	
Unemployment rate	5.7	5.8	6.2	6.7	7.1	7.3	7.9	7.7	7.3	6.7	6.1	5.9	5.8	
Both sexes, 16 to 19 years														
Civilian labor force	8,019	7,883	7,753	7,645	7,602	7,425	7,403	7,299	7,190	7,205	7,051	7,099	7,037	
Percent of population	59.1	58.5	58.0	57.8	57.9	57.0	57.3	56.9	56.6	57.4	56.7	57.6	57.8	
Employed	6,659	6,568	6,316	6,148	6,083	5,888	5,818	5,802	5,745	5,834	5,815	5,921	5,914	
Employment-population ratio ²	49.0	48.8	47.3	46.5	46.3	45.2	45.0	45.3	45.2	46.5	46.8	48.1	48.6	
Unemployed	1,360	1,315	1,437	1,497	1,520	1,537	1,585	1,497	1,445	1,371	1,236	1,178	1,123	
Unemployment rate	17.0	16.7	18.5	19.6	20.0	20.7	21.4	20.5	20.1	19.0	17.5	16.6	16.0	
Men	17.6	17.0	19.2	20.5	21.5	22.3	22.7	21.8	20.7	20.0	18.3	17.2	16.6	
Women	16.3	16.4	17.8	18.5	18.4	19.0	20.0	19.1	19.4	18.0	16.7	16.0	15.2	
BLACK														
Civilian noninstitutional population ¹	18,171	18,268	18,363	18,450	18,541	18,628	18,719	18,796	18,881	18,968	19,057	19,222	19,303	
Civilian labor force	11,098	11,026	11,219	11,222	11,247	11,372	11,498	11,559	11,671	11,728	11,613	11,803	11,968	
Percent of population	61.1	60.4	61.1	60.8	60.7	61.0	61.4	61.5	61.8	61.8	60.9	61.4	62.0	
Employed	9,430	9,286	9,315	9,257	9,180	9,188	9,133	9,226	9,287	9,452	9,531	9,854	10,065	
Employment-population ratio ²	51.9	50.8	50.7	50.2	49.5	49.3	48.8	49.1	49.2	49.8	50.0	51.3	52.1	
Unemployed	1,668	1,739	1,904	1,965	2,067	2,185	2,364	2,333	2,384	2,277	2,081	1,949	1,903	
Unemployment rate	15.0	15.8	17.0	17.5	18.4	19.2	20.6	20.2	20.4	19.4	17.9	16.5	15.9	
Men, 20 years and over														
Civilian labor force	5,222	5,221	5,286	5,307	5,343	5,368	5,466	5,461	5,533	5,577	5,545	5,653	5,642	
Percent of population	74.8	74.3	74.7	74.5	74.6	74.5	75.4	74.9	75.4	75.5	74.6	75.1	74.5	
Employed	4,548	4,511	4,471	4,438	4,441	4,402	4,376	4,407	4,457	4,578	4,677	4,818	4,798	
Employment-population ratio ²	65.1	64.2	63.2	62.3	62.0	61.1	60.4	60.5	60.8	62.0	62.9	64.0	63.4	
Unemployed	673	709	816	868	901	966	1,090	1,054	1,075	998	868	834	844	
Unemployment rate	12.9	13.6	15.4	16.4	16.9	18.0	19.9	19.3	19.4	17.9	15.7	14.8	15.0	
Women, 20 years and over														
Civilian labor force	4,991	4,994	5,083	5,069	5,119	5,173	5,200	5,309	5,301	5,329	5,283	5,370	5,504	
Percent of population	56.1	55.8	56.4	55.9	56.1	56.4	56.4	57.3	56.9	56.9	56.1	56.5	57.6	
Employed	4,341	4,304	4,370	4,353	4,341	4,360	4,332	4,395	4,404	4,464	4,449	4,614	4,783	
Employment-population ratio ²	48.8	48.1	48.5	48.0	47.6	47.5	47.0	47.5	47.3	47.7	47.2	48.5	50.0	
Unemployed	650	690	713	716	777	813	868	914	898	865	834	756	722	
Unemployment rate	13.0	13.8	14.0	14.1	15.2	15.7	16.7	17.2	16.9	16.2	15.8	14.1	13.1	

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1981				1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
BLACK—Continued														
Both sexes, 16 to 19 years														
Civilian labor force	885	811	850	846	786	831	831	789	837	823	785	780	822	
Percent of population	38.6	35.5	37.3	37.4	34.8	37.0	37.0	35.1	37.5	37.1	35.6	35.7	37.9	
Employed	540	471	475	466	397	425	425	424	426	409	406	421	484	
Employment-population ratio ²	23.5	20.6	20.9	20.6	17.6	18.9	18.9	18.9	19.1	18.4	18.4	19.3	22.3	
Unemployed	345	340	375	380	388	406	406	365	411	414	379	359	338	
Unemployment rate	39.0	41.9	44.1	44.9	49.4	48.8	48.9	46.2	49.1	50.3	48.3	46.0	41.1	
Men	39.3	41.9	41.3	44.2	51.0	48.5	51.7	47.3	50.5	51.5	45.6	46.0	39.7	
Women	38.6	42.0	47.2	45.7	47.6	49.2	45.7	45.0	47.6	48.8	51.4	46.0	42.6	
HISPANIC ORIGIN														
Civilian noninstitutional population ¹	9,199	9,383	9,545	9,346	9,320	9,558	9,377	9,416	9,717	9,677	9,719	9,921	9,974	
Civilian labor force	5,914	5,922	6,124	6,045	5,945	5,990	5,968	6,019	6,167	6,146	6,221	6,371	6,336	
Percent of population	64.3	63.1	64.2	64.7	63.8	62.7	63.6	63.9	63.5	63.5	64.0	64.2	63.5	
Employed	5,329	5,339	5,440	5,310	5,150	5,125	5,052	5,083	5,293	5,360	5,467	5,677	5,660	
Employment-population ratio ²	57.9	56.9	57.0	56.8	55.3	53.6	53.9	54.0	54.5	55.4	56.3	57.2	56.7	
Unemployed	585	583	684	735	796	866	916	936	874	785	754	694	676	
Unemployment rate	9.9	9.8	11.2	12.2	13.4	14.5	15.3	15.6	14.2	12.8	12.1	10.9	10.7	

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time status, sex and age	1981			1982				1983			1984		
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
FULL TIME													
Total:													
Civilian labor force	92,902	92,844	93,446	93,630	94,195	94,485	94,995	95,002	95,620	96,026	96,141	96,829	97,678
Employed ¹	86,335	86,288	85,952	85,582	85,442	85,186	84,930	85,195	86,096	87,127	88,182	89,457	90,685
Unemployed	6,567	6,556	7,494	8,048	8,753	9,299	10,064	9,807	9,524	8,899	7,959	7,372	6,993
Unemployment rate	7.1	7.1	8.0	8.6	9.3	9.8	10.6	10.3	10.0	9.3	8.3	7.6	7.2
Men, 20 years and over:													
Civilian labor force	54,397	54,291	54,496	54,626	54,954	55,054	55,305	55,073	55,594	55,865	55,869	56,261	56,536
Employed ¹	51,132	51,048	50,665	50,413	50,330	49,989	49,758	49,723	50,333	50,999	51,523	52,370	52,883
Unemployed	3,265	3,243	3,831	4,213	4,624	5,065	5,547	5,350	5,261	4,867	4,346	3,891	3,652
Unemployment rate	6.0	6.0	7.0	7.7	8.4	9.2	10.0	9.7	9.5	8.7	7.8	6.9	6.5
Women, 20 years and over:													
Civilian labor force	33,778	33,844	34,310	34,434	34,886	35,108	35,262	35,601	35,721	35,989	36,090	36,473	37,076
Employed ¹	31,475	31,487	31,712	31,716	31,898	32,041	31,932	32,271	32,541	33,007	33,417	33,846	34,520
Unemployed	2,304	2,357	2,598	2,718	2,988	3,067	3,331	3,330	3,180	2,982	2,673	2,627	2,556
Unemployment rate	6.8	7.0	7.6	7.9	8.6	8.7	9.4	9.4	8.9	8.3	7.4	7.2	6.9
Both sexes, 16 to 19 years:													
Civilian labor force	4,727	4,709	4,640	4,570	4,355	4,322	4,428	4,328	4,305	4,171	4,183	4,095	4,067
Employed ¹	3,729	3,753	3,575	3,454	3,215	3,156	3,241	3,201	3,221	3,121	3,243	3,241	3,282
Unemployed	998	956	1,065	1,117	1,140	1,166	1,187	1,127	1,084	1,050	940	854	785
Unemployment rate	21.1	20.3	23.0	24.4	26.2	27.0	26.8	26.0	25.2	25.2	22.5	20.8	19.3
PART TIME													
Total:													
Civilian labor force	15,964	15,687	15,600	15,750	16,011	16,066	15,863	15,661	15,648	16,072	15,908	15,775	15,956
Employed ¹	14,491	14,189	14,089	14,163	14,366	14,337	14,122	14,020	13,917	14,441	14,342	14,319	14,427
Unemployed	1,472	1,498	1,510	1,586	1,645	1,729	1,742	1,640	1,731	1,631	1,567	1,457	1,529
Unemployment rate	9.2	9.5	9.7	10.1	10.3	10.8	11.0	10.5	11.1	10.2	9.8	9.2	9.6
Men, 20 years and over:													
Civilian labor force	2,874	2,876	2,886	2,966	3,026	3,080	3,050	3,102	3,053	3,120	3,158	3,085	3,071
Employed ¹	2,669	2,641	2,647	2,723	2,769	2,812	2,774	2,828	2,767	2,849	2,892	2,843	2,801
Unemployed	205	235	239	243	257	269	276	274	287	272	266	243	270
Unemployment rate	7.1	8.2	8.3	8.2	8.5	8.7	9.1	8.8	9.4	8.7	8.4	7.9	8.8
Women, 20 years and over:													
Civilian labor force	8,742	8,634	8,581	8,707	8,756	8,865	8,786	8,649	8,702	8,898	8,880	8,774	8,924
Employed ¹	8,224	8,099	8,089	8,157	8,182	8,237	8,176	8,049	8,093	8,323	8,304	8,259	8,390
Unemployed	518	536	493	550	574	628	610	600	609	575	575	515	534
Unemployment rate	5.9	6.2	5.7	6.3	6.6	7.1	6.9	6.9	7.0	6.5	6.5	5.9	6.0
Both sexes, 16 to 19 years:													
Civilian labor force	4,348	4,176	4,133	4,077	4,229	4,121	4,027	3,910	3,892	4,054	3,871	3,916	3,960
Employed ¹	3,599	3,449	3,354	3,283	3,415	3,288	3,172	3,144	3,057	3,269	3,145	3,217	3,236
Unemployed	749	727	779	794	814	832	856	766	835	785	726	699	724
Unemployment rate	17.2	17.4	18.8	19.5	19.3	20.2	21.2	19.6	21.5	19.4	18.7	17.8	18.3

¹ Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1981			1982			1983			1984			
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTIC													
Total	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506	103,740	105,146
Married men, spouse present	39,096	38,819	38,547	38,329	38,287	38,032	37,642	37,511	37,710	38,256	38,374	38,840	39,098
Married women, spouse present	24,091	23,868	23,811	23,866	24,148	24,145	24,055	24,177	24,360	24,815	25,050	25,133	25,655
Women who maintain families	5,042	4,977	5,061	5,102	5,091	5,170	5,033	5,046	4,996	5,097	5,221	5,361	5,616
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,510	1,460	1,440	1,423	1,477	1,517	1,592	1,597	1,597	1,610	1,499	1,506	1,625
Self-employed workers	1,645	1,632	1,628	1,646	1,658	1,622	1,619	1,578	1,581	1,551	1,552	1,601	1,547
Unpaid family workers	266	250	272	323	259	250	233	242	235	242	239	221	222
Nonagricultural industries:													
Wage and salary workers	89,999	89,649	89,152	88,801	88,733	88,442	87,879	87,953	88,773	90,154	91,044	92,280	93,633
Government	15,800	15,532	15,487	15,536	15,518	15,558	15,460	15,472	15,523	15,608	15,548	15,723	15,743
Private industries	74,199	74,117	73,665	73,265	73,216	72,884	72,419	72,481	73,250	74,546	75,496	76,556	77,890
Private households	1,212	1,177	1,230	1,215	1,204	1,203	1,210	1,212	1,251	1,275	1,245	1,190	1,324
Other industries	72,988	72,940	72,435	72,050	72,012	71,681	71,209	71,269	71,999	73,271	74,251	75,366	76,566
Self-employed workers	7,077	7,108	7,118	7,080	7,280	7,342	7,336	7,433	7,487	7,631	7,743	7,847	7,790
Unpaid family workers	358	394	415	419	406	395	381	357	350	359	443	340	332
PERSONS AT WORK¹													
Nonagricultural industries	91,515	91,474	91,166	90,606	91,067	90,482	90,124	90,484	91,405	92,467	93,760	94,919	96,647
Full-time schedules	74,612	74,507	73,731	72,951	72,673	71,952	71,412	71,834	73,196	74,003	75,416	76,652	78,351
Part time for economic reasons	4,193	4,508	5,076	5,322	5,744	5,983	6,385	6,403	5,976	5,864	5,761	5,738	5,479
Usually work full time	1,602	1,726	2,005	2,027	2,227	2,210	2,234	2,044	1,804	1,765	1,669	1,618	1,578
Usually work part time	2,591	2,782	3,071	3,295	3,517	3,773	4,151	4,359	4,172	4,100	4,092	4,120	3,901
Part time for noneconomic reasons	12,710	12,459	12,360	12,333	12,650	12,547	12,327	12,247	12,234	12,600	12,583	12,529	12,817

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

A-47. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1981			1982			1983			1984			
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506	103,740	105,146
16 to 24 years	21,504	21,313	20,913	20,585	20,404	20,045	19,932	19,859	19,911	20,201	20,267	20,548	20,880
16 to 19 years	7,346	7,175	6,914	6,743	6,621	6,434	6,409	6,338	6,288	6,366	6,370	6,446	6,545
16 to 17 years	2,901	2,855	2,735	2,657	2,557	2,407	2,399	2,358	2,298	2,311	2,315	2,346	2,442
18 to 19 years	4,446	4,308	4,185	4,083	4,071	4,027	3,992	3,984	3,999	4,047	4,056	4,116	4,108
20 to 24 years	14,158	14,139	13,999	13,842	13,784	13,611	13,523	13,520	13,622	13,835	13,896	14,102	14,334
25 years and over	79,347	79,153	79,097	79,155	79,403	79,471	79,119	79,347	80,115	81,350	82,237	83,184	84,272
25 to 54 years	64,727	64,740	64,772	64,852	65,003	65,080	64,863	65,132	65,989	67,092	67,876	68,926	70,046
55 years and over	14,617	14,421	14,332	14,278	14,405	14,400	14,259	14,185	14,139	14,274	14,358	14,248	14,237
Men, 16 years and over	57,651	57,487	56,986	56,676	56,506	56,067	55,834	55,830	56,373	57,140	57,768	58,531	59,069
16 to 24 years	11,386	11,326	11,072	10,855	10,655	10,416	10,393	10,345	10,458	10,602	10,709	10,843	11,058
16 to 19 years	3,864	3,778	3,676	3,540	3,415	3,275	3,297	3,267	3,278	3,301	3,350	3,321	3,389
16 to 17 years	1,519	1,526	1,481	1,406	1,355	1,228	1,238	1,245	1,196	1,208	1,204	1,234	1,254
18 to 19 years	2,349	2,253	2,193	2,126	2,067	2,058	2,037	2,025	2,088	2,097	2,136	2,099	2,134
20 to 24 years	7,522	7,548	7,395	7,315	7,240	7,141	7,096	7,077	7,180	7,301	7,359	7,523	7,670
25 years and over	46,275	46,161	45,905	45,814	45,862	45,654	45,437	45,482	45,922	46,536	47,058	47,684	48,034
25 to 54 years	37,479	37,481	37,296	37,239	37,242	37,106	36,959	37,055	37,520	38,059	38,547	39,246	39,654
55 years and over	8,799	8,678	8,601	8,575	8,626	8,552	8,471	8,424	8,408	8,483	8,503	8,447	8,377
Women, 16 years and over	43,199	42,965	43,036	43,072	43,304	43,426	43,220	43,384	43,664	44,389	44,737	45,209	46,077
16 to 24 years	10,117	9,987	9,841	9,730	9,750	9,629	9,539	9,514	9,453	9,599	9,557	9,705	9,821
16 to 19 years	3,482	3,397	3,237	3,203	3,206	3,158	3,112	3,071	3,010	3,065	3,020	3,125	3,157
16 to 17 years	1,383	1,329	1,254	1,251	1,202	1,179	1,161	1,113	1,102	1,104	1,111	1,113	1,187
18 to 19 years	2,097	2,055	1,993	1,957	2,004	1,970	1,955	1,959	1,911	1,951	1,920	2,018	1,974
20 to 24 years	6,636	6,590	6,604	6,527	6,544	6,470	6,427	6,443	6,443	6,534	6,537	6,579	6,665
25 years and over	33,072	32,991	33,193	33,341	33,541	33,817	33,682	33,865	34,193	34,815	35,179	35,500	36,238
25 to 54 years	27,248	27,259	27,476	27,613	27,761	27,974	27,904	28,077	28,469	29,032	29,329	29,680	30,393
55 years and over	5,818	5,743	5,731	5,702	5,779	5,849	5,788	5,761	5,731	5,792	5,855	5,801	5,860

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1981				1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
Total, 16 years and over	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507	8,866	8,496	
16 to 24 years	3,724	3,622	3,930	4,148	4,290	4,435	4,624	4,449	4,344	4,096	3,718	3,471	3,360	
16 to 19 years	1,739	1,688	1,838	1,922	1,946	2,005	2,032	1,907	1,912	1,840	1,654	1,568	1,503	
16 to 17 years	796	736	771	797	813	844	870	770	795	755	688	675	639	
18 to 19 years	946	943	1,076	1,122	1,133	1,152	1,175	1,132	1,116	1,075	980	888	862	
20 to 24 years	1,985	1,934	2,093	2,226	2,344	2,430	2,592	2,542	2,432	2,256	2,065	1,903	1,857	
25 years and over	4,300	4,427	5,057	5,518	6,104	6,582	7,155	7,031	6,908	6,427	5,796	5,386	5,143	
25 to 54 years	3,787	3,886	4,476	4,860	5,338	5,804	6,315	6,216	6,067	5,662	5,068	4,726	4,470	
55 years and over	502	545	584	657	748	793	848	813	816	783	745	660	654	
Men, 16 years and over	4,412	4,392	5,050	5,522	5,958	6,434	6,927	6,704	6,578	6,166	5,491	4,987	4,709	
16 to 24 years	2,106	2,002	2,222	2,361	2,450	2,533	2,665	2,534	2,485	2,359	2,083	1,899	1,836	
16 to 19 years	951	910	995	1,050	1,086	1,095	1,129	1,059	1,039	1,022	892	838	805	
16 to 17 years	449	400	418	443	463	473	495	418	432	419	363	350	365	
18 to 19 years	507	505	580	602	627	617	639	635	612	597	535	481	444	
20 to 24 years	1,155	1,092	1,227	1,311	1,364	1,438	1,536	1,475	1,445	1,337	1,191	1,061	1,031	
25 years and over	2,313	2,387	2,828	3,159	3,518	3,898	4,269	4,160	4,100	3,804	3,417	3,077	2,877	
25 to 54 years	2,007	2,078	2,481	2,757	3,065	3,426	3,722	3,641	3,571	3,321	2,936	2,666	2,487	
55 years and over	299	315	349	400	442	482	547	519	519	493	484	412	385	
Women, 16 years and over	3,607	3,665	3,938	4,143	4,424	4,591	4,848	4,782	4,661	4,363	4,015	3,879	3,787	
16 to 24 years	1,619	1,620	1,709	1,787	1,840	1,902	1,959	1,914	1,860	1,737	1,635	1,572	1,524	
16 to 19 years	788	778	843	871	861	910	903	848	873	818	761	730	698	
16 to 17 years	346	336	353	354	350	371	375	353	363	336	325	325	274	
18 to 19 years	439	438	496	520	506	534	536	497	504	477	445	407	417	
20 to 24 years	831	842	866	915	979	992	1,056	1,067	987	919	874	842	826	
25 years and over	1,987	2,040	2,229	2,360	2,586	2,684	2,886	2,871	2,809	2,623	2,379	2,309	2,266	
25 to 54 years	1,780	1,809	1,995	2,103	2,273	2,379	2,593	2,574	2,496	2,341	2,132	2,060	1,984	
55 years and over	204	229	235	257	306	311	301	294	297	290	261	248	270	

A-49. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1981				1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
Total, 16 years and over	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5	7.9	7.5	
16 to 24 years	14.8	14.5	15.8	16.8	17.4	18.1	18.8	18.3	17.9	16.9	15.5	14.5	13.9	
16 to 19 years	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6	19.6	18.7	
16 to 17 years	21.5	20.5	22.0	23.1	24.1	26.0	26.6	24.6	25.7	24.6	22.9	22.3	20.7	
18 to 19 years	17.5	18.0	20.5	21.6	21.8	22.2	22.7	22.1	21.8	21.0	19.5	17.7	17.3	
20 to 24 years	12.3	12.0	13.0	13.9	14.5	15.1	16.1	15.8	15.1	14.0	12.9	11.9	11.5	
25 years and over	5.1	5.3	6.0	6.5	7.1	7.6	8.3	8.1	7.9	7.3	6.6	6.1	5.8	
25 to 54 years	5.5	5.7	6.5	7.0	7.6	8.2	8.9	8.7	8.4	7.8	6.9	6.4	6.0	
55 years and over	3.3	3.6	3.9	4.4	4.9	5.2	5.6	5.4	5.5	5.2	4.9	4.4	4.4	
Men, 16 years and over	7.1	7.1	8.1	8.9	9.5	10.3	11.0	10.7	10.4	9.7	8.7	7.9	7.4	
16 to 24 years	15.6	15.0	16.7	17.9	18.7	19.6	20.4	19.7	19.2	18.2	16.3	14.9	14.2	
16 to 19 years	19.8	19.4	21.3	22.9	24.1	25.1	25.5	24.5	24.1	23.6	21.0	20.2	19.2	
16 to 17 years	22.8	20.8	22.0	24.0	25.5	27.8	28.6	25.1	26.5	25.8	23.2	22.1	22.5	
18 to 19 years	17.8	18.3	20.9	22.1	23.3	23.1	23.9	23.9	22.7	22.2	20.0	18.6	17.2	
20 to 24 years	13.3	12.6	14.2	15.2	15.9	16.8	17.8	17.2	16.8	15.5	13.9	12.4	11.9	
25 years and over	4.8	4.9	5.8	6.4	7.1	7.9	8.6	8.4	8.2	7.6	6.8	6.1	5.7	
25 to 54 years	5.1	5.3	6.2	6.9	7.6	8.5	9.1	8.9	8.7	8.0	7.1	6.4	5.9	
55 years and over	3.3	3.5	3.9	4.5	4.9	5.3	6.1	5.8	5.8	5.5	5.4	4.6	4.4	
Women, 16 years and over	7.7	7.9	8.4	8.8	9.3	9.6	10.1	9.9	9.6	8.9	8.2	7.9	7.6	
16 to 24 years	13.8	14.0	14.8	15.5	15.9	16.5	17.0	16.8	16.4	15.3	14.6	13.9	13.4	
16 to 19 years	18.5	18.6	20.7	21.4	21.2	22.4	22.5	21.6	22.5	21.1	20.1	18.9	18.1	
16 to 17 years	20.0	20.2	22.0	22.0	22.6	23.9	24.4	24.1	24.8	23.3	22.6	22.6	18.8	
18 to 19 years	17.3	17.6	19.9	21.0	20.2	21.3	21.5	20.2	20.9	19.7	18.8	16.8	17.4	
20 to 24 years	11.1	11.3	11.6	12.3	13.0	13.3	14.1	14.2	13.3	12.3	11.8	11.3	11.0	
25 years and over	5.7	5.8	6.3	6.6	7.2	7.4	7.9	7.8	7.6	7.0	6.3	6.1	5.9	
25 to 54 years	6.1	6.2	6.8	7.1	7.6	7.8	8.5	8.4	8.1	7.5	6.8	6.5	6.1	
55 years and over	3.4	3.8	3.9	4.3	5.0	5.0	4.9	4.9	4.9	4.8	4.3	4.1	4.4	

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-50. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1981			1982				1983			1984		
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTIC													
Total (all civilian workers)	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5	7.9	7.5
Men, 20 years and over	6.0	6.1	7.1	7.8	8.4	9.2	9.9	9.7	9.4	8.7	7.8	7.0	6.6
Women, 20 years and over	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9	7.2	7.0	6.7
Both sexes, 16 to 19 years	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6	19.6	18.7
White	6.5	6.4	7.2	7.8	8.3	8.8	9.5	9.1	8.8	8.1	7.4	6.8	6.4
Black and other	13.6	14.4	15.4	16.1	16.9	17.7	18.7	18.5	18.6	17.7	16.4	15.2	14.2
Black	15.0	15.8	17.0	17.5	18.4	19.2	20.6	20.2	20.4	19.4	17.9	16.5	15.9
Hispanic origin	9.9	9.8	11.2	12.2	13.4	14.5	15.3	15.6	14.2	12.8	12.1	10.9	10.7
Married men, spouse present	4.0	4.1	5.0	5.5	6.2	6.9	7.5	7.2	6.9	6.2	5.5	4.8	4.6
Married women, spouse present	5.7	5.8	6.3	6.8	7.3	7.4	8.1	7.7	7.5	6.9	6.2	5.9	5.7
Women who maintain families	10.2	10.7	10.7	10.5	11.7	12.1	12.5	13.2	12.7	11.9	11.0	10.9	10.0
Full-time workers	7.1	7.1	8.0	8.6	9.3	9.8	10.6	10.3	10.0	9.3	8.3	7.6	7.2
Part-time workers	9.2	9.5	9.7	10.1	10.3	10.8	11.0	10.5	11.1	10.2	9.8	9.2	9.6
Unemployed 15 weeks and over ¹	2.1	2.1	2.1	2.5	3.0	3.4	4.0	4.2	4.0	3.7	3.1	2.7	2.4
Labor force time lost ²	8.2	8.3	9.3	10.0	10.6	11.3	12.1	11.8	11.4	10.6	9.7	9.0	8.6
INDUSTRY													
Nonagricultural private wage and salary workers	7.4	7.5	8.4	9.1	9.9	10.4	11.3	10.8	10.3	9.6	8.6	7.8	7.3
Mining	5.5	5.7	7.3	8.8	11.8	16.4	18.2	18.6	19.7	16.1	12.4	11.4	8.7
Construction	15.4	15.7	17.6	18.5	19.1	20.8	22.1	20.1	19.5	18.0	15.9	14.5	14.6
Manufacturing	7.6	7.6	9.4	10.5	11.7	12.9	14.2	13.0	12.1	10.7	8.9	7.8	7.3
Durable goods	7.4	7.3	9.5	11.0	12.5	14.0	16.1	14.5	13.2	11.3	9.2	7.7	7.2
Nondurable goods	8.0	8.0	9.2	9.9	10.6	11.4	11.4	10.9	10.5	9.8	8.6	8.0	7.5
Transportation and public utilities	5.3	4.6	5.4	5.9	6.7	7.0	8.1	7.8	7.6	7.5	6.8	5.3	5.4
Wholesale and retail trade	7.8	8.2	8.7	9.3	10.0	10.1	10.7	10.9	10.2	9.7	9.2	8.3	7.9
Finance and service industries	5.8	5.8	6.2	6.4	6.9	6.9	7.6	7.4	7.3	7.2	6.7	6.3	5.6
Agricultural wage and salary workers	10.8	11.9	13.9	14.1	15.7	14.5	15.0	16.0	16.7	15.5	15.8	14.7	12.7

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

A-51. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1981			1982				1983			1984		
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
DURATION													
Less than 5 weeks	3,310	3,379	3,805	3,870	3,823	3,944	3,913	3,622	3,598	3,634	3,405	3,326	3,283
5 to 14 weeks	2,484	2,465	2,815	3,108	3,330	3,373	3,454	3,224	3,034	2,859	2,615	2,527	2,407
15 weeks and over	2,233	2,228	2,343	2,698	3,270	3,735	4,449	4,608	4,464	4,122	3,517	3,020	2,775
15 to 26 weeks	1,100	1,106	1,190	1,431	1,632	1,831	2,053	1,914	1,686	1,591	1,331	1,151	1,102
27 weeks and over	1,133	1,122	1,153	1,267	1,638	1,905	2,396	2,693	2,778	2,530	2,186	1,868	1,673
Average (mean) duration, in weeks	13.7	13.9	13.3	13.8	15.1	16.0	17.7	19.2	20.3	20.5	20.0	19.4	18.5
Median duration, in weeks	6.9	7.1	6.9	7.5	8.5	8.9	10.1	10.5	11.2	9.6	9.3	8.6	8.0
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	41.2	41.9	42.5	40.0	36.7	35.7	33.1	31.6	32.4	34.2	35.7	37.5	38.8
5 to 14 weeks	30.9	30.5	31.4	32.1	31.9	30.5	29.2	28.1	27.3	26.9	27.4	28.5	28.4
15 weeks and over	27.8	27.6	26.1	27.9	31.4	33.8	37.6	40.2	40.2	38.8	36.9	34.0	32.8
15 to 26 weeks	13.7	13.7	13.3	14.8	15.7	16.6	17.4	16.7	15.2	15.0	14.0	13.0	13.0
27 weeks and over	14.1	13.9	12.9	13.1	15.7	17.2	20.3	23.5	25.0	23.8	22.9	21.1	19.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1981			1982				1983				1984	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Job losers	4,026	4,160	4,830	5,412	5,999	6,560	7,278	6,841	6,682	6,102	5,281	4,725	4,358
On layoff	1,331	1,322	1,721	1,864	2,021	2,303	2,422	2,080	1,926	1,652	1,332	1,255	1,155
Other job losers	2,695	2,838	3,109	3,548	3,978	4,256	4,856	4,761	4,756	4,450	3,949	3,471	3,202
Job leavers	929	927	933	878	872	817	801	848	808	803	863	779	795
Reentrants	2,059	2,049	2,250	2,218	2,388	2,447	2,501	2,507	2,444	2,419	2,273	2,184	2,151
New entrants	973	935	1,011	1,092	1,108	1,265	1,275	1,190	1,303	1,226	1,144	1,160	1,179
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.4	51.5	53.5	56.4	57.9	59.2	61.4	60.1	59.5	57.8	55.2	53.4	51.4
On layoff	16.7	16.4	19.1	19.4	19.5	20.8	20.4	18.3	17.1	15.7	13.9	14.2	13.6
Other job losers	33.7	35.2	34.4	37.0	38.4	38.4	41.0	41.8	42.3	42.2	41.3	39.2	37.7
Job leavers	11.6	11.5	10.3	9.1	8.4	7.4	6.8	7.4	7.2	7.6	9.0	8.8	9.4
Reentrants	25.8	25.4	24.9	23.1	23.0	22.1	21.1	22.0	21.7	22.9	23.8	24.7	25.4
New entrants	12.2	11.6	11.2	11.4	10.7	11.4	10.8	10.4	11.6	11.6	12.0	13.1	13.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.7	3.8	4.4	4.9	5.4	5.9	6.6	6.2	6.0	5.4	4.7	4.2	3.8
Job leavers .....	.9	.9	.9	.8	.8	.7	.7	.8	.7	.7	.8	.7	.7
Reentrants	1.9	1.9	2.1	2.0	2.2	2.2	2.3	2.3	2.2	2.2	2.0	1.9	1.9
New entrants .....	.9	.9	.9	1.0	1.0	1.1	1.2	1.1	1.2	1.1	1.0	1.0	1.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Persons not in the labor force by reason, sex, and race, seasonally adjusted

(In thousands)

Reason, sex, and race	1981			1982			1983			1984			
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total not in labor force	60,968	61,904	61,981	62,083	61,828	62,005	62,217	62,805	62,680	62,392	62,938	63,072	62,484
Do not want a job now	55,608	56,192	55,936	55,987	55,693	55,447	55,326	56,104	55,986	55,690	56,526	56,957	56,474
Current activity:													
Going to school	6,646	6,585	6,518	6,343	6,810	6,399	6,441	6,607	6,399	6,462	6,540	6,713	6,379
Ill, disabled	4,232	4,346	4,277	4,084	4,030	4,040	3,988	3,975	4,064	3,804	3,814	4,096	4,145
Keeping house	28,810	29,010	28,541	28,925	28,324	28,267	28,134	28,350	28,281	28,267	28,539	28,484	27,864
Retired	11,762	11,934	12,108	12,073	12,187	12,491	12,567	12,987	13,003	12,892	13,196	13,466	13,705
Other activity	4,159	4,318	4,492	4,562	4,343	4,251	4,196	4,185	4,239	4,265	4,437	4,198	4,381
Want a job now	5,686	5,667	6,002	6,187	6,610	6,594	6,929	6,452	6,540	6,756	6,335	6,182	6,017
Reason not looking:													
School attendance	1,559	1,501	1,564	1,636	1,734	1,746	1,851	1,641	1,518	1,832	1,538	1,526	1,633
Ill health, disability	734	691	840	771	788	760	761	656	701	841	868	686	816
Home responsibilities	1,258	1,184	1,401	1,359	1,450	1,371	1,390	1,390	1,436	1,442	1,384	1,503	1,192
Think cannot get a job	1,050	1,110	1,171	1,337	1,504	1,641	1,813	1,765	1,726	1,610	1,457	1,339	1,295
Job-market factors	728	822	889	1,026	1,090	1,238	1,393	1,408	1,316	1,197	1,046	938	935
Personal factors	322	288	282	311	414	404	420	357	411	413	411	401	359
Other reasons ¹	1,084	1,182	1,026	1,083	1,135	1,075	1,113	1,000	1,159	1,032	1,089	1,128	1,082
Men													
Total not in labor force	18,312	18,763	18,882	18,953	18,935	19,129	19,151	19,657	19,455	19,337	19,626	19,752	19,702
Do not want a job now	16,624	16,931	16,870	16,815	16,985	17,024	16,880	17,227	17,187	16,968	17,473	17,753	17,591
Want a job now	1,862	1,813	2,000	2,085	2,162	2,276	2,361	2,187	2,203	2,409	2,173	2,013	2,068
Reason not looking:													
School attendance	774	710	788	884	908	931	1,001	869	775	1,079	826	806	798
Ill health, disability	334	311	413	325	338	334	299	289	308	379	380	337	354
Think cannot get a job	411	396	435	503	572	610	683	695	683	607	620	486	515
Other reasons ¹	342	397	364	372	344	401	379	334	436	345	346	385	401
Women													
Total not in labor force	42,656	43,141	43,099	43,130	42,893	42,876	43,065	43,148	43,226	43,056	43,311	43,320	42,781
Do not want a job now	38,985	39,261	39,067	39,172	38,707	38,423	38,446	38,877	38,799	38,723	39,053	39,204	38,883
Want a job now	3,824	3,854	4,002	4,102	4,448	4,318	4,568	4,265	4,338	4,347	4,162	4,168	3,949
Reason not looking:													
School attendance	785	791	776	752	826	815	850	772	743	753	711	720	835
Ill health, disability	400	380	427	446	450	426	463	367	393	462	488	349	462
Home responsibilities	1,258	1,184	1,401	1,359	1,450	1,371	1,390	1,390	1,436	1,442	1,384	1,503	1,192
Think cannot get a job	639	714	736	834	932	1,031	1,131	1,070	1,043	1,003	836	853	780
Other reasons	742	785	662	711	791	674	734	666	723	687	743	743	680
White													
Total not in labor force	52,442	53,253	53,340	53,349	53,072	53,232	53,406	53,970	53,947	53,574	53,786	53,966	53,528
Do not want a job now	48,366	49,004	48,861	48,932	48,473	48,519	48,477	49,114	49,132	48,849	49,099	49,702	49,333
Want a job now	4,091	4,118	4,384	4,471	4,661	4,801	4,960	4,734	4,775	4,734	4,605	4,447	4,202
Reason not looking:													
School attendance	1,044	998	1,151	1,190	1,195	1,254	1,305	1,215	1,109	1,144	1,105	1,082	1,108
Ill health, disability	512	499	559	539	547	549	503	486	510	634	615	534	556
Home responsibilities	964	870	1,052	1,000	1,015	1,040	1,044	1,053	1,003	1,061	1,039	1,100	826
Think cannot get a job	699	751	801	877	982	1,083	1,252	1,194	1,245	1,076	974	884	830
Other reasons ¹	872	1,000	822	867	922	875	856	787	907	819	872	847	881
Black													
Total not in labor force	7,073	7,242	7,144	7,228	7,294	7,256	7,221	7,237	7,210	7,240	7,444	7,419	7,335
Do not want a job now	5,650	5,907	5,756	5,620	5,578	5,639	5,533	5,652	5,684	5,556	5,917	5,894	5,812
Want a job now	1,399	1,386	1,399	1,601	1,683	1,603	1,746	1,570	1,514	1,679	1,555	1,584	1,520
Reason not looking:													
School attendance	422	411	356	402	431	411	487	404	330	476	425	402	422
Ill health, disability	216	192	224	237	223	216	210	171	170	207	193	160	225
Home responsibilities	262	290	319	317	367	303	330	311	354	354	308	352	292
Think cannot get a job	326	324	334	438	471	500	522	512	431	473	458	407	403
Other reasons ¹	173	168	166	207	191	172	196	172	230	169	171	263	176

¹ Includes small number of men not looking for work because of "home responsibilities."

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-54. Persons not in the labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age								
	II 1983	II 1984	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
			II 1983	II 1984	II 1983	II 1984	II 1983	II 1984	II 1983	II 1984	
TOTAL											
Total not in labor force	62,768	62,527	7,002	6,592	4,811	4,593	22,248	21,893	28,707	29,449	
Do not want a job now	55,888	56,212	5,098	4,816	3,526	3,355	19,144	19,078	28,116	28,961	
Current activity:											
Going to school	5,963	5,840	3,793	3,699	1,402	1,332	742	785	25	23	
Ill, disabled	4,126	4,206	39	41	84	97	2,001	1,970	2,001	2,096	
Keeping house	28,609	28,164	400	359	1,579	1,501	13,854	13,558	12,775	12,748	
Retired	13,025	13,725	-	-	-	-	349	336	12,676	13,389	
Other activity	4,165	4,276	866	717	461	425	2,198	2,429	639	705	
Want a job now	6,881	6,316	1,903	1,778	1,283	1,238	3,104	2,812	591	488	
Reason for not looking:											
School attendance	2,045	2,121	1,346	1,334	436	504	252	282	12	-	
Ill health, disability	680	790	19	24	31	61	504	521	126	184	
Home responsibilities	1,412	1,177	100	63	332	239	946	849	34	27	
Think cannot get a job	1,646	1,226	231	162	275	245	903	666	237	152	
Job-market factors	1,290	918	154	131	224	197	777	525	135	66	
Personal factors	355	307	77	31	51	48	126	142	102	86	
Other reasons ¹	1,098	1,003	207	195	209	189	499	494	182	125	
Men											
Total not in labor force	19,319	19,541	3,269	3,114	1,513	1,418	3,716	3,816	10,821	11,193	
Do not want a job now	16,861	17,248	2,314	2,234	1,035	953	2,956	3,075	10,553	10,983	
Current activity:											
Going to school	3,014	2,925	1,900	1,892	778	662	327	360	7	9	
Ill, disabled	2,175	2,198	16	31	38	41	1,109	1,109	1,012	1,016	
Keeping house	264	352	5	7	16	12	77	121	164	212	
Retired	9,176	9,494	-	-	-	-	280	284	8,895	9,209	
Other activity	2,232	2,280	393	304	203	238	1,163	1,201	475	537	
Want a job now	2,459	2,292	954	880	478	465	759	740	268	209	
Reason for not looking:											
School attendance	1,073	1,068	728	692	242	257	97	119	7	-	
Ill health, disability	301	350	7	9	12	22	218	244	63	75	
Think cannot get a job	671	500	117	90	136	119	304	232	114	59	
Other reasons ¹	414	375	102	89	88	67	140	145	84	75	
Women											
Total not in labor force	43,449	42,986	3,733	3,479	3,298	3,175	18,533	18,077	17,886	18,255	
Do not want a job now	39,027	38,963	2,784	2,579	2,493	2,402	16,191	16,006	17,563	17,977	
Current activity:											
Going to school	2,949	2,915	1,893	1,807	624	669	414	425	18	14	
Ill, disabled	1,951	2,008	24	10	46	56	895	864	989	1,080	
Keeping house	28,346	27,813	394	350	1,564	1,489	13,777	13,437	12,611	12,535	
Retired	3,849	4,232	-	-	-	-	68	52	3,781	4,180	
Other activity	1,932	1,997	473	412	259	188	1,037	1,228	164	168	
Want a job now	4,422	4,023	948	899	805	773	2,342	2,071	323	278	
Reason not looking:											
School attendance	972	1,053	618	642	194	248	156	162	5	-	
Ill health, disability	379	440	11	15	19	39	284	275	63	109	
Home responsibilities	1,412	1,177	100	63	332	239	946	849	34	27	
Think cannot get a job	975	726	114	73	139	126	597	434	123	93	
Other reasons	684	628	105	106	121	121	359	351	98	49	

¹ Includes small number of men not looking for work because of "home responsibilities."

force totals because of differences in the weighting patterns used in aggregating these data.

NOTE: Detail in tables A-54 and A-55 may not add to not-in-labor-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-55. Persons not in the labor force by reason, race, Hispanic origin, age, and sex

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	|| 1983	|| 1984	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984
WHITE												
Total not in labor force	53,957	53,528	9,134	8,487	18,951	18,485	25,871	26,556	16,357	16,442	37,599	37,086
Do not want a job now	48,837	49,040	6,801	6,365	16,647	16,498	25,389	26,175	14,512	14,748	34,325	34,292
Current activity:												
Going to school	4,576	4,460	3,989	3,842	565	598	24	20	2,333	2,259	2,243	2,201
Ill, disabled	3,381	3,376	96	112	1,585	1,524	1,698	1,738	1,822	1,800	1,559	1,576
Keeping house	25,748	25,331	1,659	1,521	12,415	12,118	11,674	11,692	222	295	25,526	25,036
Retired	11,731	12,405	-	-	320	305	11,411	12,100	8,315	8,619	3,416	3,786
Other activity	3,401	3,468	1,057	890	1,762	1,953	582	625	1,820	1,775	1,581	1,693
Want a job now	5,120	4,488	2,332	2,124	2,303	1,987	483	380	1,845	1,693	3,275	2,795
Reason for not looking:												
School attendance	1,597	1,541	1,381	1,341	202	198	12	-	836	785	761	756
Ill health, disability	506	547	42	57	374	367	90	126	214	263	292	284
Home responsibilities	975	805	258	185	693	597	24	24	-	-	975	805
Think cannot get a job	1,187	790	358	233	635	444	195	112	494	344	693	446
Other reasons ¹	855	805	293	308	399	381	162	118	301	301	554	504
BLACK												
Total not in labor force	7,238	7,362	2,231	2,215	2,587	2,651	2,420	2,498	2,434	2,529	4,804	4,834
Do not want a job now	5,650	5,770	1,441	1,407	1,888	1,967	2,320	2,393	1,874	2,011	3,777	3,758
Current activity:												
Going to school	1,002	989	917	876	84	111	-	1	463	441	540	549
Ill, disabled	679	750	26	24	379	394	275	332	307	352	372	397
Keeping house	2,226	2,221	263	293	1,028	1,038	934	889	40	49	2,186	2,172
Retired	1,089	1,133	-	-	22	24	1,067	1,108	716	739	373	393
Other activity	654	677	235	214	375	400	44	63	348	430	306	247
Want a job now	1,588	1,592	791	805	699	684	100	103	560	517	1,026	1,075
Reason for not looking:												
School attendance	399	502	374	448	26	55	-	-	216	242	182	260
Ill health, disability	169	220	7	25	122	138	39	56	84	74	85	146
Home responsibilities	386	320	160	101	221	216	6	3	-	-	386	320
Think cannot get a job	413	379	134	161	242	179	37	38	153	137	259	242
Other reasons ¹	221	171	117	70	88	96	18	6	107	64	114	107
HISPANIC ORIGIN												
Total not in labor force	3,515	3,599	1,047	1,043	1,712	1,786	756	771	850	902	2,665	2,697
Do not want a job now	2,997	3,116	815	801	1,463	1,566	716	755	678	734	2,318	2,381
Current activity:												
Going to school	441	438	411	404	27	35	3	-	187	224	254	214
Ill, disabled	266	251	4	15	190	169	70	67	130	142	135	108
Keeping house	1,711	1,831	277	289	1,112	1,219	321	326	13	23	1,698	1,808
Retired	307	349	-	-	1	10	306	340	215	227	92	122
Other activity	272	247	123	93	133	133	16	22	133	118	139	129
Want a job now	517	482	232	241	248	222	38	16	172	168	347	315
Reason for not looking:												
School attendance	143	125	113	107	30	18	-	-	83	56	60	69
Ill health, disability	43	34	7	5	32	23	5	6	18	16	26	19
Home responsibilities	127	128	46	47	78	78	3	2	-	-	127	128
Think cannot get a job	148	123	42	47	87	73	19	2	49	64	100	59
Other reasons ¹	56	72	24	35	21	30	11	6	22	32	34	40

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-56. Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin

(In thousands)

Reason and sex	2nd Quarter 1984							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
TOTAL								
Personal factors:								
Employers think too young or old	97	11	-	14	72	82	16	2
Lacks education or training	131	8	31	86	6	77	45	18
Other personal handicap	79	12	17	42	8	57	20	2
Job-market factors:								
Could not find work	590	94	151	313	32	342	232	60
Thinks no job available	328	37	46	212	34	230	67	40
Men								
Personal factors:								
Employers think too young or old	35	9	-	4	22	33	2	2
Lacks education or training	33	3	13	14	2	17	14	9
Other personal handicap	36	3	9	22	3	30	6	-
Job-market factors:								
Could not find work	274	53	76	133	14	176	94	39
Thinks no job available	121	22	20	60	19	87	22	14
Women								
Personal factors:								
Employers think too young or old	62	2	-	10	50	49	14	-
Lacks education or training	98	5	17	72	4	60	31	9
Other personal handicap	42	9	7	21	5	27	14	2
Job-market factors:								
Could not find work	316	42	74	180	18	166	138	21
Thinks no job available	207	15	27	151	15	143	45	26

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-57. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	|| 1983	|| 1984	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984
TOTAL												
Do not intend to seek work	52,920	53,507	6,515	6,337	18,248	18,193	28,157	28,977	46,296	46,661	5,348	5,511
Intend to seek work in the next 12 months	9,847	9,018	5,298	4,848	3,999	3,700	550	471	7,660	6,866	1,890	1,851
Never worked	2,127	2,119	1,977	1,953	129	163	22	4	1,462	1,415	592	625
Last worked over 5 years ago	1,191	1,121	126	72	924	933	140	117	888	835	274	265
Last worked 1 to 5 years ago	2,575	2,195	910	684	1,464	1,315	202	196	1,974	1,621	525	479
Worked during previous 12 months	3,953	3,584	2,285	2,140	1,482	1,289	186	154	3,337	2,995	499	483
Men												
Do not intend to seek work	15,699	16,231	2,306	2,340	2,836	2,922	10,557	10,969	13,524	13,922	1,773	1,858
Intend to seek work in the next 12 months	3,620	3,309	2,476	2,191	879	895	265	224	2,833	2,520	661	671
Never worked	958	986	924	946	32	41	2	-	657	662	263	289
Last worked over 5 years ago	164	189	23	18	77	135	63	36	121	140	41	46
Last worked 1 to 5 years ago	831	717	369	254	365	360	95	102	645	507	156	168
Worked during previous 12 months	1,667	1,418	1,157	973	406	358	105	86	1,411	1,211	201	168
Women												
Do not intend to seek work	37,221	37,276	4,209	3,996	15,414	15,272	17,600	18,008	32,772	32,739	3,575	3,653
Intend to seek work in the next 12 months	6,227	5,709	2,821	2,657	3,120	2,805	164	247	4,827	4,346	1,229	1,181
Never worked	1,169	1,133	1,053	1,007	97	123	14	4	805	753	329	336
Last worked over 5 years ago	1,027	932	103	55	848	797	48	81	767	695	233	219
Last worked 1 to 5 years ago	1,745	1,478	539	428	1,098	955	59	95	1,329	1,114	370	311
Worked during previous 12 months	2,286	2,165	1,126	1,167	1,077	931	43	68	1,926	1,784	297	315

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-58. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	II 1983	II 1984	II 1983	II 1984	II 1983	II 1984	II 1983	II 1984
TOTAL								
Civilian noninstitutional population	173,957	176,125	150,666	152,234	18,881	19,303	9,717	9,974
Civilian labor force	111,189	113,599	96,709	98,706	11,642	11,940	6,202	6,375
Percent of population	63.9	64.5	64.2	64.8	61.7	61.9	63.8	63.9
Employed	100,065	105,179	88,307	92,434	9,244	10,020	5,338	5,708
Agriculture	3,558	3,533	3,305	3,271	199	184	336	344
Nonagricultural industries	96,508	101,645	85,002	89,163	9,045	9,836	5,002	5,364
Unemployed	11,123	8,420	8,403	6,272	2,399	1,920	864	667
Unemployment rate	10.0	7.4	8.7	6.4	20.6	16.1	13.9	10.5
Not in labor force	62,768	62,527	53,957	53,528	7,238	7,362	3,515	3,599
Men, 16 years and over								
Civilian noninstitutional population	82,406	83,480	71,904	72,688	8,428	8,633	4,555	4,665
Civilian labor force	63,087	63,939	55,547	56,246	5,993	6,103	3,705	3,764
Percent of population	76.6	76.6	77.3	77.4	71.1	70.7	81.3	80.7
Employed	56,555	59,257	50,515	52,727	4,684	5,071	3,206	3,375
Agriculture	2,831	2,808	2,627	2,579	162	160	284	287
Nonagricultural industries	53,723	56,449	47,888	50,148	4,522	4,911	2,923	3,089
Unemployed	6,532	4,682	5,032	3,520	1,310	1,032	499	388
Unemployment rate	10.4	7.3	9.1	6.3	21.9	16.9	13.5	10.3
Not in labor force	19,319	19,541	16,357	16,442	2,434	2,528	850	902
Men, 20 years and over								
Civilian noninstitutional population	74,712	76,074	65,523	66,559	7,336	7,574	3,957	4,096
Civilian labor force	58,662	59,647	51,674	52,494	5,538	5,650	3,370	3,457
Percent of population	78.5	78.4	78.9	78.9	75.5	74.6	85.2	84.4
Employed	53,189	55,789	47,431	49,588	4,464	4,807	2,970	3,144
Agriculture	2,506	2,513	2,319	2,300	145	146	243	258
Nonagricultural industries	50,683	53,276	45,112	47,288	4,319	4,660	2,726	2,886
Unemployed	5,473	3,858	4,244	2,906	1,074	844	401	313
Unemployment rate	9.3	6.5	8.2	5.5	19.4	14.9	11.9	9.0
Not in labor force	16,050	16,427	13,848	14,065	1,797	1,923	587	639
Women, 16 years and over								
Civilian noninstitutional population	91,551	92,645	78,762	79,546	10,453	10,671	5,162	5,309
Civilian labor force	48,102	49,660	41,162	42,460	5,649	5,837	2,497	2,612
Percent of population	52.5	53.6	52.3	53.4	54.0	54.7	48.4	49.2
Employed	43,510	45,921	37,792	39,707	4,560	4,949	2,132	2,333
Agriculture	726	725	678	692	37	24	52	57
Nonagricultural industries	42,784	45,197	37,114	39,016	4,523	4,925	2,080	2,275
Unemployed	4,592	3,738	3,370	2,752	1,089	888	365	279
Unemployment rate	9.5	7.5	8.2	6.5	19.3	15.2	14.6	10.7
Not in labor force	43,449	42,986	37,599	37,086	4,804	4,834	2,665	2,697
Women, 20 years and over								
Civilian noninstitutional population	83,900	85,273	72,446	73,504	9,311	9,561	4,575	4,759
Civilian labor force	44,184	45,766	37,700	39,029	5,261	5,462	2,278	2,387
Percent of population	52.7	53.7	52.0	53.1	56.5	57.1	49.8	50.2
Employed	40,529	42,790	35,049	36,848	4,368	4,744	1,978	2,162
Agriculture	661	657	617	626	33	23	48	45
Nonagricultural industries	39,868	42,132	34,432	36,222	4,335	4,722	1,930	2,116
Unemployed	3,655	2,976	2,651	2,180	893	717	299	226
Unemployment rate	8.3	6.5	7.0	5.6	17.0	13.1	13.1	9.5
Not in labor force	39,716	39,507	34,746	34,475	4,051	4,100	2,298	2,371
Both sexes, 16 to 19 years								
Civilian noninstitutional population	15,345	14,778	12,697	12,171	2,234	2,168	1,184	1,120
Civilian labor force	8,343	8,186	7,335	7,183	843	828	554	531
Percent of population	54.4	55.4	57.8	59.0	37.7	38.2	46.8	47.4
Employed	6,347	6,599	5,827	5,998	412	469	390	403
Agriculture	391	363	368	344	21	16	44	41
Nonagricultural industries	5,957	6,236	5,459	5,653	391	453	346	362
Unemployed	1,996	1,586	1,508	1,185	431	359	164	128
Unemployment rate	23.9	19.4	20.6	16.5	51.1	43.4	29.6	24.2
Not in labor force	7,002	6,592	5,362	4,988	1,391	1,340	631	589

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-59. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1983	1984	1983	1984	1983	1984	1983	1984
TOTAL								
Civilian noninstitutional population	9,717	9,974	5,845	5,940	1,255	1,446	752	706
Civilian labor force	6,202	6,375	3,842	3,912	610	747	516	472
Percent of population	63.8	63.9	65.7	65.9	48.6	51.7	68.6	66.9
Employed	5,338	5,708	3,269	3,514	514	656	454	426
Agriculture	336	344	308	313	5	5	5	10
Nonagricultural industries	5,002	5,364	2,961	3,201	509	651	449	416
Unemployed	864	667	573	398	96	91	62	46
Unemployment rate	13.9	10.5	14.9	10.2	15.8	12.2	12.0	9.7
Not in labor force	3,515	3,599	2,003	2,027	645	699	236	234
Men, 16 years and over								
Civilian noninstitutional population	4,555	4,665	2,857	2,912	512	617	346	314
Civilian labor force	3,705	3,764	2,354	2,397	364	439	279	255
Percent of population	81.3	80.7	82.4	82.3	71.1	71.2	80.6	81.2
Employed	3,206	3,375	2,032	2,157	301	381	248	223
Agriculture	284	287	258	261	4	4	5	9
Nonagricultural industries	2,923	3,089	1,774	1,896	297	377	243	214
Unemployed	499	388	342	240	63	59	31	33
Unemployment rate	13.5	10.3	14.4	10.0	17.3	13.3	11.1	12.8
Not in labor force	850	902	484	515	148	177	67	59
Men, 20 years and over								
Civilian noninstitutional population	3,957	4,096	2,462	2,551	438	523	309	289
Civilian labor force	3,370	3,457	2,132	2,194	339	407	254	239
Percent of population	85.2	84.4	86.6	86.0	77.4	77.8	82.2	82.7
Employed	2,970	3,144	1,855	1,999	292	360	229	211
Agriculture	243	258	220	234	4	3	5	9
Nonagricultural industries	2,726	2,886	1,635	1,765	288	357	224	202
Unemployed	401	313	276	195	47	47	25	28
Unemployment rate	11.9	9.0	13.0	8.9	13.9	11.5	9.9	11.8
Not in labor force	587	639	331	357	99	116	54	50
Women, 16 years and over								
Civilian noninstitutional population	5,162	5,309	2,987	3,028	743	829	406	391
Civilian labor force	2,497	2,612	1,468	1,515	246	308	237	217
Percent of population	48.4	49.2	49.1	50.0	33.1	37.2	58.4	55.5
Employed	2,132	2,333	1,237	1,357	213	275	206	203
Agriculture	52	57	50	53	1	1	-	1
Nonagricultural industries	2,080	2,275	1,187	1,304	212	274	206	202
Unemployed	365	279	231	158	33	33	31	13
Unemployment rate	14.6	10.7	15.8	10.4	13.5	10.6	13.1	6.1
Not in labor force	2,665	2,697	1,519	1,512	497	522	169	175
Women, 20 years and over								
Civilian noninstitutional population	4,575	4,759	2,634	2,696	647	736	374	362
Civilian labor force	2,278	2,387	1,327	1,379	226	278	223	200
Percent of population	49.8	50.2	50.4	51.1	34.9	37.8	59.6	55.2
Employed	1,978	2,162	1,145	1,254	200	254	190	191
Agriculture	48	45	47	43	1	1	-	1
Nonagricultural industries	1,930	2,116	1,098	1,211	199	253	190	189
Unemployed	299	226	182	124	26	24	32	10
Unemployment rate	13.1	9.5	13.7	9.0	11.5	8.7	14.6	4.9
Not in labor force	2,298	2,371	1,307	1,318	421	458	152	162
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,184	1,120	749	693	170	187	69	54
Civilian labor force	554	531	384	340	45	62	39	32
Percent of population	46.8	47.4	51.3	49.1	26.5	33.2	56.5	(²)
Employed	390	403	269	260	22	42	35	24
Agriculture	44	41	41	36	-	1	-	-
Nonagricultural industries	346	362	228	225	22	41	35	24
Unemployed	164	128	115	79	23	20	4	8
Unemployment rate	29.6	24.2	30.0	23.3	(²)	32.7	(²)	(²)
Not in labor force	631	589	365	353	125	125	30	22

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Data not shown where base is less than 60,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-60. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin	
	1983	1984	1983	1984	1983	1984	1983	1984
CHARACTERISTIC								
Total (all civilian workers)	100,065	105,179	88,307	92,434	9,244	10,020	5,338	5,708
Men	56,555	59,257	50,515	52,727	4,684	5,071	3,206	3,375
Women	43,510	45,921	37,792	39,707	4,560	4,949	2,132	2,333
OCCUPATION								
Managerial and professional specialty	23,534	24,855	21,471	22,695	1,363	1,434	601	667
Executive, administrative, and managerial	10,708	11,438	9,924	10,550	510	605	284	327
Professional specialty	12,827	13,416	11,548	12,144	853	829	317	340
Technical, sales, and administrative support	30,870	32,413	27,814	29,100	2,315	2,537	1,353	1,472
Technicians and related support	3,001	3,162	2,668	2,802	219	244	87	130
Sales occupations	11,623	12,565	10,826	11,699	535	597	425	492
Administrative support, including clerical	16,246	16,686	14,319	14,599	1,561	1,695	841	850
Service occupations	13,628	14,255	11,024	11,301	2,191	2,494	917	1,009
Private household	953	1,019	681	675	243	312	82	92
Protective service	1,639	1,605	1,408	1,333	208	237	76	70
Service, except private household and protective	11,037	11,631	8,935	9,293	1,739	1,946	758	848
Precision production, craft, and repair	12,015	12,985	10,982	11,821	791	906	743	800
Mechanics and repairers	4,038	4,354	3,717	3,959	255	313	217	245
Construction trades	4,183	4,527	3,855	4,185	252	280	248	260
Other precision production, craft, and repair	3,793	4,105	3,409	3,677	284	313	278	296
Operators, fabricators, and laborers	16,020	16,757	13,396	13,981	2,272	2,371	1,342	1,376
Machine operators, assemblers, and inspectors	7,631	7,964	6,338	6,638	1,071	1,067	711	765
Transportation and material moving occupations	4,193	4,448	3,575	3,752	564	645	263	246
Handlers, equipment cleaners, helpers, and laborers	4,196	4,345	3,484	3,591	637	658	368	364
Construction laborers	626	676	526	554	95	115	78	64
Other handlers, equipment cleaners, helpers, and laborers	3,570	3,669	2,957	3,037	542	543	290	299
Farming, forestry, and fishing	3,998	3,913	3,619	3,537	311	279	381	384
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,676	1,701	1,486	1,508	164	156	307	317
Self-employed workers	1,621	1,589	1,564	1,522	31	28	25	26
Unpaid family workers	261	243	254	241	4	-	4	1
Nonagricultural industries:								
Wage and salary workers	88,608	93,460	77,595	81,545	8,757	9,512	4,705	5,056
Government	15,560	15,781	12,896	13,042	2,262	2,319	698	694
Private industries	73,048	77,679	64,699	68,503	6,495	7,193	4,007	4,361
Private households	1,245	1,316	917	900	295	377	96	110
Other industries	71,803	76,363	63,782	67,603	6,200	6,815	3,911	4,252
Self-employed workers	7,533	7,838	7,069	7,296	282	316	288	294
Unpaid family workers	367	347	338	322	5	8	9	14
FULL- AND PART-TIME STATUS¹								
Full-time schedules	79,844	84,956	70,308	74,565	7,493	8,151	4,333	4,713
Part time for economic reasons	6,209	5,689	5,140	4,628	916	918	436	416
Part time for noneconomic reasons	14,012	14,534	12,859	13,241	834	950	569	580

¹ Employed persons "with a job but not at work" are distributed proportionately among the full- and part-time employed categories.
NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-61. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1983	1984	1983	1984	1983	1984	1983	1984
CHARACTERISTIC								
Total (all civilian workers)	5,338	5,708	3,269	3,514	514	656	454	426
Men	3,206	3,375	2,032	2,157	301	381	248	223
Women	2,132	2,333	1,237	1,357	213	275	206	203
OCCUPATION								
Managerial and professional specialty	601	667	291	291	56	93	74	89
Executive, administrative, and managerial	284	327	154	164	23	47	33	30
Professional specialty	317	340	137	127	33	47	40	59
Technical, sales, and administrative support	1,353	1,472	748	830	153	191	137	124
Technicians and related support	87	130	43	80	5	15	11	6
Sales occupations	425	492	250	290	33	43	45	48
Administrative support, including clerical	841	850	455	460	115	132	81	70
Service occupations	917	1,009	524	607	109	131	61	48
Private household	82	92	44	46	1	4	2	2
Protective service	76	70	31	39	17	12	6	5
Service, except private household and protective	758	848	449	521	91	115	52	40
Precision production, craft, and repair	743	800	507	538	65	68	54	59
Mechanics and repairers	217	245	133	160	28	27	23	22
Construction trades	248	260	184	195	17	17	16	15
Other precision production, craft, and repair	278	296	191	183	19	23	16	22
Operators, fabricators, and laborers	1,342	1,376	862	896	125	164	120	99
Machine operators, assemblers, and inspectors	711	765	436	482	79	105	69	59
Transportation and material moving occupations	263	246	178	160	25	30	13	17
Handlers, equipment cleaners, helpers, and laborers	368	364	247	254	21	29	38	23
Construction laborers	78	64	67	57	2	1	5	2
Other handlers, equipment cleaners, helpers, and laborers	290	299	180	196	20	28	33	21
Farming, forestry, and fishing	381	384	337	352	7	9	8	6
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	307	317	294	293	5	5	1	9
Self-employed workers	25	26	11	19	-	-	4	1
Unpaid family workers	4	1	3	1	-	-	-	-
Nonagricultural industries:								
Wage and salary workers	4,705	5,056	2,780	3,014	487	632	423	382
Government	698	694	450	438	80	95	33	34
Private industries	4,007	4,361	2,330	2,576	407	537	390	348
Private households	96	110	53	58	1	6	2	4
Other industries	3,911	4,252	2,277	2,518	406	531	388	344
Self-employed workers	288	294	174	177	22	19	26	32
Unpaid family workers	9	14	7	10	-	-	-	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,333	4,713	2,620	2,871	441	564	376	353
Part time for economic reasons	436	416	311	313	28	34	28	16
Part time for noneconomic reasons	569	580	338	330	45	57	50	57

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-62. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	1983	1984	1983	1984	1983	1984	1983	1984
Total, 16 years and over	100,065	105,179	88,307	92,434	9,244	10,020	5,338	5,708
16 to 19 years	6,347	6,599	5,827	5,998	412	469	390	403
16 to 17 years	2,302	2,443	2,145	2,259	119	131	121	124
18 to 19 years	4,046	4,157	3,681	3,738	293	337	268	279
20 to 24 years	13,594	14,300	12,030	12,563	1,274	1,410	854	940
25 years and over	80,125	84,279	70,449	73,873	7,558	8,141	4,094	4,366
25 to 54 years	65,967	70,027	57,686	61,039	6,419	6,984	3,613	3,885
55 years and over	14,158	14,252	12,763	12,836	1,140	1,157	480	481
Men, 16 years and over	56,555	59,257	50,515	52,727	4,684	5,071	3,206	3,375
16 to 19 years	3,365	3,468	3,084	3,139	219	264	237	231
16 to 17 years	1,237	1,293	1,156	1,190	62	79	72	64
18 to 19 years	2,129	2,174	1,928	1,948	157	186	164	167
20 to 24 years	7,211	7,697	6,377	6,771	687	752	499	560
25 years and over	45,979	48,092	41,053	42,817	3,777	4,054	2,471	2,585
25 to 54 years	37,556	39,701	33,369	35,146	3,197	3,480	2,184	2,307
55 years and over	8,423	8,391	7,685	7,672	581	575	287	277
Women, 16 years and over	43,510	45,921	37,792	39,707	4,560	4,949	2,132	2,333
16 to 19 years	2,982	3,132	2,743	2,859	193	205	153	171
16 to 17 years	1,065	1,149	990	1,069	57	53	49	60
18 to 19 years	1,917	1,982	1,753	1,790	136	152	104	112
20 to 24 years	6,383	6,603	5,653	5,792	586	658	355	381
25 years and over	34,145	36,187	29,396	31,056	3,781	4,087	1,623	1,781
25 to 54 years	28,411	30,326	24,317	25,893	3,222	3,504	1,430	1,578
55 years and over	5,734	5,861	5,078	5,164	559	582	194	203

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-63. Unemployment rates by sex, age, race, and Hispanic origin

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	1983	1984	1983	1984	1983	1984	1983	1984
Total, 16 years and over	10.0	7.4	8.7	6.4	20.6	16.1	13.9	10.5
16 to 19 years	23.9	19.4	20.6	16.5	51.1	43.4	29.6	24.2
16 to 17 years	27.6	22.8	24.5	20.0	57.0	51.7	35.2	31.0
18 to 19 years	21.7	17.2	18.1	14.3	48.3	39.3	26.8	20.7
20 to 24 years	15.1	11.4	12.6	9.3	32.6	26.0	17.6	11.4
25 years and over	7.7	5.6	6.8	4.9	15.2	11.6	11.2	8.7
25 to 54 years	8.2	5.8	7.2	5.0	16.1	12.5	11.5	8.5
55 years and over	5.5	4.4	5.1	4.2	9.2	5.7	9.1	10.3
Men, 16 years and over	10.4	7.3	9.1	6.3	21.9	16.9	13.5	10.3
16 to 19 years	23.9	19.2	20.4	16.4	51.8	41.6	29.3	24.6
16 to 17 years	26.8	23.0	23.8	20.1	57.2	49.4	36.0	33.1
18 to 19 years	22.2	16.8	18.2	13.9	49.3	37.5	25.9	20.7
20 to 24 years	16.5	11.6	14.2	9.5	32.3	26.5	17.4	10.6
25 years and over	8.1	5.6	7.2	4.9	16.5	12.4	10.7	8.7
25 to 54 years	8.6	5.8	7.6	5.0	17.3	13.2	10.7	8.2
55 years and over	6.0	4.5	5.4	4.3	11.6	7.0	10.6	12.3
Women, 16 years and over	9.5	7.5	8.2	6.5	19.3	15.2	14.6	10.7
16 to 19 years	23.9	19.6	20.8	16.7	50.4	45.5	30.1	23.6
16 to 17 years	28.5	22.6	25.4	19.8	56.8	54.8	34.1	28.6
18 to 19 years	21.1	17.7	17.9	14.7	47.1	41.3	28.0	20.7
20 to 24 years	13.4	11.1	10.6	9.1	33.0	25.5	17.9	12.7
25 years and over	7.2	5.6	6.3	4.9	13.8	10.7	12.0	8.8
25 to 54 years	7.7	5.9	6.7	5.1	14.9	11.7	12.7	8.9
55 years and over	4.7	4.2	4.5	4.2	6.7	4.4	6.7	6.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-64. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984
DURATION								
Total, 16 years and over	11,123	8,420	8,403	6,272	2,399	1,920	1,727	1,334
Less than 5 weeks	3,691	3,345	2,740	2,533	838	716	321	293
5 to 14 weeks	2,587	2,052	2,031	1,522	481	468	258	169
15 weeks and over	4,846	3,022	3,631	2,218	1,079	735	284	205
15 to 26 weeks	1,923	1,256	1,481	949	383	279	125	99
27 weeks and over	2,923	1,767	2,150	1,268	697	456	159	105
Average (mean) duration, in weeks	21.0	19.2	20.5	18.8	22.6	20.9	15.9	14.9
Median duration, in weeks	11.4	8.4	11.4	8.1	10.6	8.5	8.8	6.7
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	33.2	39.7	32.6	40.4	35.0	37.3	37.2	43.9
5 to 14 weeks	23.3	24.4	24.2	24.3	20.0	24.4	29.9	25.3
15 weeks and over	43.6	35.9	43.2	35.4	45.0	38.3	32.9	30.7
15 to 26 weeks	17.3	14.9	17.6	15.1	15.9	14.5	14.5	14.8
27 weeks and over	26.3	21.0	25.6	20.2	29.1	23.8	18.4	15.8

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-65. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984	|| 1983	|| 1984
NUMBER OF UNEMPLOYED								
Total, 16 years and over	11,123	8,420	8,403	6,272	2,399	1,920	1,727	1,334
Job losers	6,483	4,227	5,078	3,267	1,340	949	531	365
On layoff	1,775	1,060	1,510	914	238	129	109	75
Other job losers	4,708	3,167	3,568	2,353	1,102	820	422	290
Job leavers	755	741	616	612	24	29	56	40
Reentrants	2,479	2,169	1,738	1,542	653	557	163	147
New entrants	1,406	1,283	970	851	381	385	114	114
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	58.3	50.2	60.4	52.1	55.9	49.4	61.4	54.7
On layoff	16.0	12.6	18.0	14.6	9.9	6.7	12.6	11.2
Other job losers	42.3	37.6	42.5	37.5	45.9	42.7	48.8	43.5
Job leavers	6.8	8.8	7.3	9.8	1.0	1.5	6.5	6.0
Reentrants	22.3	25.8	20.7	24.6	27.2	29.0	18.9	22.1
New entrants	12.6	15.2	11.5	13.6	15.9	20.1	13.2	17.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	5.8	3.7	5.3	3.3	11.5	7.9	8.6	5.7
Job leavers .....	.7	.7	.6	.6	.2	.2	.9	.6
Reentrants	2.2	1.9	1.8	1.6	5.6	4.7	2.6	2.3
New entrants	1.3	1.1	1.0	.9	3.3	3.2	1.8	1.8

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-66. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
	||	||	||	||	||	||	Number		Percent of labor force	
	1983	1984	1983	1984	1983	1984	||	||	||	||
						1983	1984	1983	1984	
VETERANS										
Total, 25 years and over	7,840	7,919	7,342	7,426	6,679	7,002	663	424	9.0	5.7
25 to 29 years	5,911	5,549	5,646	5,326	5,094	4,987	552	339	9.8	6.4
25 to 29 years	701	506	651	478	554	426	97	52	14.9	10.9
30 to 34 years	2,207	1,783	2,102	1,696	1,882	1,586	220	109	10.5	6.4
35 to 39 years	3,002	3,260	2,894	3,153	2,658	2,975	236	177	8.1	5.6
40 years and over	1,929	2,370	1,696	2,099	1,585	2,014	111	85	6.5	4.0
NONVETERANS										
Total, 25 to 39 years	19,889	20,971	18,805	19,766	17,011	18,502	1,795	1,264	9.5	6.4
25 to 29 years	8,669	8,930	8,149	8,349	7,217	7,764	931	585	11.4	7.0
30 to 34 years	6,712	7,320	6,376	6,939	5,848	6,535	528	404	8.3	5.8
35 to 39 years	4,509	4,721	4,280	4,479	3,945	4,204	335	275	7.8	6.1

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-67. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
TOTAL, 25 to 39 years												
Civilian noninstitutional population	5,237	4,909	588	554	227	208	17,217	18,045	2,039	2,195	1,446	1,521
Civilian labor force	5,034	4,738	532	507	218	198	16,437	17,194	1,808	1,936	1,370	1,417
Employed	4,611	4,477	421	432	202	192	15,051	16,280	1,453	1,632	1,220	1,294
Unemployed	424	263	111	74	16	6	1,387	915	353	303	150	123
Unemployment rate	8.4	5.6	20.9	14.6	7.3	3.0	8.4	5.3	19.5	15.7	10.9	8.7
25 to 29 years												
Civilian noninstitutional population	593	432	89	68	38	29	7,540	7,728	894	946	630	606
Civilian labor force	561	410	73	62	36	28	7,162	7,305	781	835	593	563
Employed	491	370	55	50	32	28	6,433	6,886	600	688	524	507
Unemployed	70	41	18	11	4	-	729	418	181	147	69	56
Unemployment rate	12.5	10.0	24.7	17.7	()	-	10.2	5.7	23.2	17.6	11.6	9.9
30 to 34 years												
Civilian noninstitutional population	1,956	1,559	225	197	98	80	5,776	6,282	706	767	487	529
Civilian labor force	1,867	1,490	209	182	96	74	5,537	6,032	638	671	464	495
Employed	1,695	1,406	167	157	91	71	5,135	5,735	531	581	419	459
Unemployed	173	84	41	24	5	3	402	299	106	90	45	36
Unemployment rate	9.3	5.6	19.6	13.2	5.2	4.1	7.3	5.0	16.6	13.4	9.7	7.3
35 to 39 years												
Civilian noninstitutional population	2,688	2,918	274	289	91	99	3,901	4,033	439	482	329	386
Civilian labor force	2,606	2,838	250	263	86	96	3,738	3,857	389	430	313	359
Employed	2,425	2,701	199	225	79	93	3,483	3,659	322	363	277	328
Unemployed	181	138	52	39	7	3	256	198	66	66	36	31
Unemployment rate	6.9	4.9	20.8	14.8	8.1	3.1	6.8	5.1	17.0	15.3	11.5	8.6

Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-68. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	II 1983					II 1984				
	Total families	With unemployment:			Total families	With unemployment:				
		Total	Percent of families:			Total	Percent of families:			
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		
TOTAL										
Total families	60,926	8,170	29.8	70.2	60.0	61,817	6,364	29.6	70.4	61.2
With children under 18 years of age	30,663	4,958	31.9	68.1	57.4	36,998	3,809	30.8	69.2	59.8
Married-couple families	49,164	6,073	22.6	77.4	67.3	49,541	4,537	20.9	79.1	70.0
With children under 18 years of age	23,971	3,748	22.3	77.7	66.6	23,985	2,760	19.2	80.8	71.0
Families maintained by women	9,612	1,724	52.6	47.4	36.6	10,053	1,489	53.1	46.9	37.0
With children under 18 years of age	5,898	1,072	61.8	38.2	28.2	6,147	921	61.8	38.2	29.5
Families maintained by men	2,149	372	42.2	57.8	49.2	2,223	338	42.9	57.1	49.1
With children under 18 years of age	794	139	59.7	40.3	33.8	866	128	58.6	41.4	37.5
White										
Total families	52,986	6,345	27.9	72.1	61.9	53,646	4,855	26.9	73.1	63.7
With children under 18 years of age	25,834	3,810	29.0	71.0	59.9	26,073	2,873	27.3	72.7	63.0
Married-couple families	44,615	5,078	23.0	77.0	66.8	44,991	3,797	21.2	78.8	69.6
With children under 18 years of age	21,369	3,105	22.5	77.5	66.1	21,385	2,290	19.4	80.6	70.7
Families maintained by women	6,620	1,003	49.2	50.8	40.4	6,885	836	49.0	51.0	40.8
With children under 18 years of age	3,827	602	56.8	43.2	32.4	4,001	498	58.6	41.4	31.4
Families maintained by men	1,751	264	42.0	58.0	50.4	1,770	222	40.5	59.5	51.4
With children under 18 years of age	638	102	59.8	40.2	34.3	687	86	54.1	45.9	41.2
Black										
Total families	6,508	1,603	37.4	62.6	52.4	6,708	1,344	39.4	60.6	51.6
With children under 18 years of age	3,923	1,003	42.3	57.7	48.4	3,983	826	43.0	57.0	49.2
Married-couple families	3,410	831	20.1	79.9	70.5	3,387	617	18.8	81.2	72.8
With children under 18 years of age	1,863	533	19.7	80.3	70.5	1,828	383	17.2	82.8	73.6
Families maintained by women	2,768	679	57.6	42.4	31.5	2,933	621	58.7	41.3	31.8
With children under 18 years of age	1,922	438	68.7	31.3	22.6	2,001	406	65.2	34.8	27.7
Families maintained by men	329	93	44.1	55.9	44.1	387	106	46.7	53.3	45.7
With children under 18 years of age	138	32	(')	(')	(')	154	37	(')	(')	(')

See footnotes at end of tables.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-68. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members—Continued

(Numbers in thousands)

Type of family, race, and Hispanic origin	II 1983					II 1984				
	Total families	With unemployment:			Total families	With unemployment:				
		Percent of families:				Percent of families:				
		Total	With no employed person in family	With at least one employed person in family		Total	With no employed person in family	With at least one employed person in family	With at least one person in family employed full time	
Hispanic origin										
Total families	3,419	646	32.2	67.8	59.4	3,615	523	34.6	65.4	56.6
With children under 18 years of age	2,335	454	34.3	65.7	56.9	2,448	366	35.5	64.5	54.4
Married-couple families	2,434	470	24.7	75.3	66.5	2,568	379	27.4	72.6	61.7
With children under 18 years of age	1,679	341	26.4	73.6	64.8	1,735	266	25.2	74.8	62.8
Families maintained by women	819	145	55.2	44.8	35.2	864	111	57.7	42.3	38.7
With children under 18 years of age	597	100	59.0	41.0	31.0	637	85	64.3	35.7	31.0
Families maintained by men	166	31	(¹)	(¹)	(¹)	183	33	(¹)	(¹)	(¹)
With children under 18 years of age	60	13	(¹)	(¹)	(¹)	76	16	(¹)	(¹)	(¹)

¹ Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

Because of the introduction of new estimation techniques beginning with data for January 1983, these data are not comparable with those previously published.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-69. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1983				II 1984			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	9,480	32.0	68.0	57.8	7,076	32.0	68.0	58.7
Husbands	2,566	42.3	57.7	42.8	1,697	41.6	58.4	44.2
With children under 18 years of age	1,634	45.4	54.6	37.9	1,043	44.0	56.0	39.9
Wives	1,724	22.3	77.7	70.3	1,343	17.5	82.5	74.7
With children under 18 years of age	1,083	20.5	79.5	71.0	851	15.0	85.0	77.2
Relatives in married-couple families	2,730	10.9	89.1	81.9	1,978	11.8	88.2	82.2
Women who maintain families	705	81.1	18.9	10.8	602	83.9	16.1	9.7
With children under 18 years of age	593	86.2	13.8	6.1	503	91.0	9.0	4.4
Relatives in families maintained by women	1,321	37.8	62.2	49.8	1,082	37.6	62.4	50.5
Men who maintain families	166	73.2	26.8	16.5	149	72.4	27.6	21.4
With children under 18 years of age	90	86.9	13.1	5.9	74	92.8	7.2	4.5
Relatives in families maintained by men	269	27.9	72.1	64.0	225	31.1	68.9	61.0
White								
Total unemployed in families ¹	7,174	30.1	69.9	59.4	5,260	29.4	70.6	61.2
Husbands	2,174	43.4	56.6	41.1	1,431	42.8	57.2	42.8
With children under 18 years of age	1,350	47.0	53.0	35.1	866	45.2	54.8	38.3
Wives	1,435	22.1	77.9	70.8	1,138	17.2	82.8	75.0
With children under 18 years of age	884	19.6	80.4	72.2	709	14.4	85.6	77.9
Relatives in married-couple families	2,164	10.4	89.6	82.1	1,557	11.5	88.5	82.6
Women who maintain families	391	77.3	22.7	14.1	331	79.6	20.4	13.1
With children under 18 years of age	325	83.4	16.6	8.1	262	89.2	10.8	4.6
Relatives in families maintained by women	716	33.8	66.2	54.0	564	33.5	66.5	54.6
Men who maintain families	118	75.7	24.3	14.3	98	68.2	31.8	25.1
With children under 18 years of age	69	86.3	13.7	7.6	49	(²)	(²)	(²)
Relatives in families maintained by men	176	23.6	76.4	68.8	141	27.3	72.7	64.3
Black								
Total unemployed in families ¹	2,037	38.5	61.5	51.7	1,625	40.7	59.3	50.5
Husbands	319	36.1	63.9	52.8	217	33.0	67.0	54.5
With children under 18 years of age	225	36.4	63.6	53.0	143	34.3	65.7	51.3
Wives	242	23.3	76.7	66.6	169	21.2	78.8	71.2
With children under 18 years of age	165	23.4	76.6	64.8	115	20.5	79.5	70.9
Relatives in married-couple families	493	11.9	88.1	81.7	366	13.5	86.5	79.9
Women who maintain families	291	86.5	13.5	5.8	257	90.0	10.0	5.4
With children under 18 years of age	250	90.2	9.8	2.9	230	93.3	6.7	4.1
Relatives in families maintained by women	571	42.5	57.5	44.7	497	42.5	57.5	45.6
Men who maintain families	41	(²)	(²)	(²)	44	(²)	(²)	(²)
With children under 18 years of age	19	(²)	(²)	(²)	22	(²)	(²)	(²)
Relatives in families maintained by men	81	38.4	61.6	51.6	75	35.4	64.6	56.9
Hispanic origin								
Total unemployed in families ¹	766	33.8	66.2	58.2	593	35.4	64.6	56.3
Husbands	220	48.0	52.0	41.7	167	54.7	45.3	33.3
With children under 18 years of age	161	51.7	48.3	38.0	111	56.9	43.1	27.6
Wives	151	19.2	80.8	73.9	123	16.2	83.8	71.7
With children under 18 years of age	112	16.0	84.0	75.8	81	16.5	83.5	71.1
Relatives in married-couple families	203	10.8	89.2	80.3	144	8.9	91.1	86.0
Women who maintain families	51	(²)	(²)	(²)	40	(²)	(²)	(²)
With children under 18 years of age	42	(²)	(²)	(²)	35	(²)	(²)	(²)
Relatives in families maintained by women	107	45.0	55.0	46.5	88	46.2	53.8	48.5
Men who maintain families	14	(²)	(²)	(²)	17	(²)	(²)	(²)
With children under 18 years of age	7	(²)	(²)	(²)	9	(²)	(²)	(²)
Relatives in families maintained by men	21	(²)	(²)	(²)	14	(²)	(²)	(²)

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

² Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are

included in both the white and black population groups. Because of the introduction of new estimation techniques beginning with data for January 1983, these data are not comparable with those previously published. Moreover, estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-70. Employed civilians by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1983				II 1984			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed in families ¹	83,018	26.5	73.5	61.6	86,927	24.6	75.4	63.9
Husbands	36,245	36.2	63.8	45.4	37,407	33.9	66.1	48.1
With children under 18 years of age	21,248	38.9	61.1	39.7	21,848	36.5	63.5	42.5
Wives	23,580	11.6	88.4	82.8	24,773	9.5	90.5	85.3
With children under 18 years of age	12,681	7.9	92.1	87.4	13,319	5.9	94.1	90.2
Relatives in married-couple families	11,881	6.8	93.2	88.2	12,234	6.2	93.8	89.6
Women who maintain families	4,909	64.8	35.2	22.6	5,522	63.1	36.9	23.6
With children under 18 years of age	3,247	79.0	21.0	9.5	3,686	78.5	21.5	9.5
Relatives in families maintained by women	3,837	28.7	71.3	59.7	4,236	24.6	75.4	64.3
Men who maintain families	1,453	55.9	44.1	32.1	1,542	53.3	46.7	33.7
With children under 18 years of age	625	78.8	21.2	11.0	699	75.7	24.3	11.6
Relatives in families maintained by men	1,113	20.5	79.5	70.8	1,212	18.2	81.8	74.9
White								
Total employed in families ¹	73,574	25.8	74.2	62.0	76,674	24.0	76.0	64.2
Husbands	33,097	36.6	63.4	44.5	34,093	34.3	65.7	47.1
With children under 18 years of age	19,193	39.5	60.5	38.3	19,662	37.2	62.8	40.9
Wives	21,118	11.0	89.0	83.5	22,157	8.9	91.1	86.0
With children under 18 years of age	11,129	7.1	92.9	88.3	11,689	5.3	94.7	91.0
Relatives in married-couple families	10,738	6.6	93.4	88.8	11,030	6.0	94.0	90.0
Women who maintain families	3,585	61.5	38.5	24.3	4,009	60.5	39.5	24.9
With children under 18 years of age	2,339	76.8	23.2	9.7	2,630	76.7	23.3	9.6
Relatives in families maintained by women	2,911	27.8	72.2	60.6	3,145	24.4	75.6	65.0
Men who maintain families	1,197	54.3	45.7	33.0	1,263	52.7	47.3	34.0
With children under 18 years of age	508	77.1	22.9	11.4	578	75.9	24.1	10.4
Relatives in families maintained by men	929	19.5	80.5	72.0	978	17.5	82.5	76.0
Black								
Total employed in families ¹	7,349	34.1	65.9	56.5	7,989	30.8	69.2	59.5
Husbands	2,286	32.0	68.0	56.1	2,402	28.2	71.8	60.2
With children under 18 years of age	1,452	32.4	67.6	54.9	1,541	28.6	71.4	58.8
Wives	1,803	18.6	81.4	74.5	1,919	15.2	84.8	78.3
With children under 18 years of age	1,118	15.7	84.3	78.1	1,164	10.6	89.4	83.8
Relatives in married-couple families	860	10.6	89.4	81.6	869	8.2	91.8	84.4
Women who maintain families	1,216	74.3	25.7	17.2	1,395	70.9	29.1	18.8
With children under 18 years of age	838	84.8	15.2	8.7	985	83.4	16.6	9.0
Relatives in families maintained by women	832	32.4	67.6	56.3	972	25.6	74.4	61.9
Men who maintain families	212	65.6	34.4	25.9	241	59.0	41.0	30.6
With children under 18 years of age	107	87.7	12.3	7.9	107	77.8	22.2	13.4
Relatives in families maintained by men	141	27.3	72.7	65.6	190	22.9	77.1	69.7
Hispanic origin								
Total employed in families ¹	4,528	30.0	70.0	58.5	4,905	29.2	70.8	60.5
Husbands	1,912	43.9	56.1	42.2	2,067	43.4	56.6	43.2
With children under 18 years of age	1,409	48.3	51.7	38.4	1,514	47.3	52.7	39.5
Wives	1,054	10.9	89.1	80.4	1,164	9.5	90.5	83.7
With children under 18 years of age	722	10.2	89.8	83.3	786	7.7	92.3	86.5
Relatives in married-couple families	716	6.5	93.5	85.3	724	5.6	94.4	89.0
Women who maintain families	346	65.0	35.0	25.2	393	62.7	37.3	27.6
With children under 18 years of age	240	75.5	24.5	11.7	268	76.2	23.8	14.8
Relatives in families maintained by women	267	27.6	72.4	56.2	306	20.8	79.2	63.2
Men who maintain families	119	43.9	56.1	47.7	133	44.5	55.5	44.0
With children under 18 years of age	45	(²)	(²)	(²)	59	(²)	(²)	(²)
Relatives in families maintained by men	114	4.7	95.3	77.0	119	11.2	88.8	81.8

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

² Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are

included in both the white and black population groups. Because of the introduction of new estimation techniques beginning with data for January 1983, these data are not comparable with those previously published. Moreover, estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-71. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	1983	1984	1983	1984	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,128	40,303	\$453	\$488	7.5	2.9
Married-couple families	32,541	32,559	499	530	6.1	1.5
One earner	14,533	13,614	349	359	2.6	-1.8
Husband	10,909	10,384	403	407	1.1	-3.2
Wife	2,950	2,443	200	204	2.1	-2.2
Other family member	674	786	177	195	10.3	5.5
Two or more earners	18,008	18,945	623	669	7.3	2.7
Husband and wife	15,407	16,197	635	677	6.6	2.0
Husband and other family member(s)	1,929	2,077	616	654	6.2	1.6
Wife and other family member(s)	516	524	371	405	9.3	4.6
Other family members only	156	147	360	470	30.5	24.9
Families maintained by women	5,876	6,113	261	280	7.2	2.6
One earner	4,148	4,281	217	222	2.3	-2.1
Householder	3,234	3,232	228	230	.8	-3.5
Other family member	913	1,049	180	203	12.7	7.8
Two or more earners	1,728	1,832	438	456	4.0	-4
Families maintained by men	1,711	1,631	396	374	-5.7	-9.7
One earner	1,120	1,045	308	279	-9.3	-13.2
Two or more earners	590	586	566	532	-6.0	-10.0
White						
Total families with earners ¹	34,654	34,954	470	503	7.0	2.4
Married-couple families	28,972	29,254	504	540	7.1	2.5
One earner	13,032	12,306	358	368	3.0	-1.5
Husband	9,927	9,485	406	419	3.4	-1.1
Wife	2,500	2,101	200	205	2.1	-2.3
Two or more earners	15,941	16,947	632	675	6.9	2.3
Husband and wife	13,581	14,464	645	684	6.1	1.5
Families maintained by women	4,262	4,442	279	290	4.0	-5
Families maintained by men	1,419	1,259	405	394	-2.8	-7.0
Black						
Total families with earners ¹	4,484	4,450	327	353	7.9	3.2
Married-couple families	2,771	2,583	405	445	9.9	5.1
One earner	1,170	971	248	250	.8	-3.5
Husband	745	641	300	292	-2.5	-6.7
Wife	377	282	185	195	5.4	.9
Two or more earners	1,601	1,611	543	587	8.2	3.5
Husband and wife	1,426	1,393	558	605	8.3	3.6
Families maintained by women	1,488	1,535	208	243	16.6	11.6
Families maintained by men	225	333	347	299	-13.8	-17.5
Hispanic origin						
Total families with earners ¹	2,321	2,439	362	390	7.7	3.0
Married-couple families	1,818	1,963	389	423	8.8	4.2
One earner	923	901	260	273	5.0	.5
Husband	762	742	284	307	8.1	3.4
Wife	106	102	176	198	12.5	7.7
Two or more earners	895	1,062	526	553	5.1	.6
Husband and wife	665	823	531	561	5.7	1.1
Families maintained by women	349	342	245	225	-8.0	-11.9
Families maintained by men	154	134	372	331	-11.0	-14.9

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

NOTE: The Consumer Price Index for All Urban Consumers (CPI-U) is used to deflate quarterly earnings data published in tables A-71 through A-75. Because the Index for the most recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter. Data on families for 1984 reflect revised editing and weighting procedures and

are not comparable with data for 1983 and prior years. Moreover, data on median weekly earnings are now derived using \$10 intervals rather than the \$50 intervals previously used. Data for 1983 and prior years have been recalculated and are not comparable with previously published data. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-72. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	1983	1984	1983	1984	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	4,525	3,404	\$332	\$354	6.8	2.2
Husband unemployed	1,727	1,149	207	217	4.7	.2
Wife only earner	1,401	877	201	203	1.1	-3.2
Wife and other earner(s)	191	166	371	408	10.1	5.4
Other earner(s) only	135	107	162	160	-9	-5.2
Wife unemployed	1,335	1,041	370	361	-2.2	-6.4
Husband only earner	1,118	897	353	342	-3.2	-7.3
Husband and other earner(s)	189	123	553	579	4.9	.4
Other earner(s) only	28	21	(²)	(²)	(²)	(²)
Other member(s) unemployed	1,463	1,214	\$543	\$553	1.9	-2.5
Husband or wife earner	617	510	425	406	-4.5	-8.6
Both husband and wife earners	779	636	688	725	5.3	.8
Other combinations of earners	68	67	(²)	(²)	(²)	(²)
Families maintained by women ¹	757	736	\$215	\$217	.9	-3.5
Householder unemployed	125	132	143	193	34.8	29.0
Other member(s) unemployed	632	604	237	232	-1.8	-6.0
Families maintained by men ¹	247	261	320	300	-6.2	-10.2

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

² Data not shown where base is less than 100,000.

NOTE: Data on families for 1984 reflect revised editing and weighting

procedures and are not comparable with data for 1983 and prior years. Moreover, data on median weekly earnings are now derived using \$10 intervals rather than the \$50 intervals previously used. Data for 1983 and prior years have been recalculated and are not comparable with previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY DATA**

A-73. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1983	1984	1983	1984	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	68,029	72,063	\$308	\$325	5.4	0.9
Men, 16 years and over	40,271	42,762	376	400	6.2	1.6
16 to 24 years	5,803	6,296	230	238	3.3	-1.1
25 years and over	34,468	36,465	404	409	1.2	-3.2
Women, 16 years and over	27,758	29,302	251	258	3.0	-1.5
16 to 24 years	4,944	5,064	203	203	(²)	-4.3
25 years and over	22,814	24,238	258	277	7.4	2.7
FAMILY RELATIONSHIP						
Husbands	27,828	29,173	405	421	3.8	-.6
Wives	14,499	15,377	252	265	5.1	.5
Others in married-couple families	5,192	5,830	207	218	5.1	.6
Women who maintain families	3,938	4,135	253	257	1.6	-2.8
Others in such families	2,179	2,577	225	225	.1	-4.3
Men who maintain families	1,325	1,171	369	371	.4	-3.9
Others in such families	780	767	217	229	5.7	1.2
All other men ¹	6,618	7,091	345	363	5.1	.5
All other women ¹	5,670	5,944	270	290	7.3	2.7
RACE AND HISPANIC ORIGIN						
White	59,089	62,573	320	336	4.8	.3
Men	35,528	37,738	395	403	1.9	-2.5
Women	23,561	24,835	252	261	3.5	-.9
Black	7,070	7,731	254	261	2.7	-1.7
Men	3,697	4,052	286	301	4.9	.4
Women	3,373	3,679	228	240	4.9	.4
Hispanic origin	3,764	4,306	250	255	1.8	-2.6
Men	2,362	2,651	270	282	4.5	.0
Women	1,402	1,655	212	224	5.8	1.2

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

² Less than 0.05 percent.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Data on median weekly earnings are now derived using \$10 intervals rather than the \$50 intervals previously used. Data for 1983 and prior years have been recalculated and are not comparable with previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-74. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1983	1984	1983	1984	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	17,445	17,484	\$85	\$88	3.6	-0.9
Men, 16 years and over	5,589	5,540	80	81	1.5	-2.8
16 to 24 years	3,312	3,304	65	68	5.1	.6
25 years and over	2,277	2,236	108	108	.6	-3.7
Women, 16 years and over	11,856	11,944	87	91	5.2	.7
16 to 24 years	3,941	3,990	63	68	7.3	2.6
25 years and over	7,914	7,954	102	106	3.1	-1.3
FAMILY RELATIONSHIP						
Husbands	1,439	1,445	110	109	-.9	-5.2
Wives	6,242	6,310	103	107	3.1	-1.3
Others in married-couple families	4,799	4,886	60	64	7.0	2.4
Women who maintain families	844	881	102	103	.9	-3.5
Others in such families	1,229	1,260	64	68	5.1	.5
Men who maintain families	134	102	107	102	-4.2	-8.3
Others in such families	300	274	74	85	13.9	9.0
All other men ¹	901	839	96	105	9.6	4.9
All other women ¹	1,558	1,488	90	95	6.2	1.6
RACE AND HISPANIC ORIGIN						
White	15,458	15,585	85	88	3.9	-.6
Men	4,862	4,834	79	81	2.3	-2.1
Women	10,596	10,751	87	92	5.3	.8
Black	1,597	1,538	84	83	-1.5	-5.7
Men	554	561	86	79	-7.6	-11.5
Women	1,043	977	83	86	3.2	-1.2
Hispanic origin	836	792	95	89	-6.2	-10.3
Men	352	302	102	97	-5.5	-9.6
Women	484	490	87	86	-1.5	-5.7

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces, persons in unrelated subfamilies, and those whose family status is unknown.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not

presented and Hispanics are included in both the white and black population groups. Data on median weekly earnings are now derived using \$10 intervals rather than the \$50 intervals previously used. Data for 1983 and prior years have been recalculated and are not comparable with previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-75. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)			Median weekly earnings		
	1983	1984	1983	1984	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Managerial and professional specialty	17,264	18,246	\$428	\$455	6.4	1.8
Executive, administrative, and managerial	8,065	8,729	452	484	7.0	2.4
Professional specialty	9,199	9,517	410	443	8.2	3.5
Technical, sales, and administrative support	20,919	21,779	275	299	8.7	4.0
Technicians and related support	2,627	2,682	346	371	7.4	2.8
Sales occupations	5,986	6,451	303	323	6.7	2.1
Administrative support, including clerical	12,306	12,646	256	271	5.9	1.3
Service occupations	6,948	7,368	204	207	1.6	-2.8
Private household	269	325	109	134	23.2	17.9
Protective service	1,398	1,436	346	358	3.4	-1.0
Service, except private household and protective	5,280	5,607	194	200	3.4	-1.0
Precision production, craft, and repair	9,452	10,093	369	385	4.3	-2
Mechanics and repairers	3,499	3,573	364	391	7.4	2.8
Construction trades	2,700	2,943	363	382	5.1	.6
Other precision production, craft, and repair	3,253	3,578	386	380	-1.7	-5.9
Operators, fabricators, and laborers	12,442	13,557	275	281	2.4	-2.0
Machine operators, assemblers, and inspectors	6,657	7,274	260	271	4.2	-3
Transportation and material moving occupations	3,127	3,451	329	332	1.1	-3.3
Handlers, equipment cleaners, helpers, and laborers	2,658	2,832	245	251	2.5	-1.9
Farming, forestry, and fishing	1,004	1,020	204	207	1.8	-2.5
Men						
Managerial and professional specialty	10,311	10,754	506	537	6.1	1.5
Executive, administrative, and managerial	5,418	5,723	521	563	8.1	3.5
Professional specialty	4,893	5,031	503	508	1.0	-3.3
Technical, sales, and administrative support	7,659	8,313	388	402	3.7	-8
Technicians and related support	1,374	1,409	409	444	8.5	3.8
Sales occupations	3,631	4,017	394	402	2.1	-2.3
Administrative support, including clerical	2,654	2,887	365	373	2.3	-2.1
Service occupations	3,515	3,517	254	266	4.9	.4
Private household	12	11	(¹)	(¹)	(¹)	(¹)
Protective service	1,260	1,304	\$354	\$371	4.7	.2
Service, except private household and protective	2,243	2,202	209	227	8.9	4.2
Precision production, craft, and repair	8,735	9,307	384	400	4.2	-2
Mechanics and repairers	3,368	3,467	367	390	6.3	1.7
Construction trades	2,658	2,913	364	384	5.3	.8
Other precision production, craft, and repair	2,709	2,926	406	405	-2	-4.5
Operators, fabricators, and laborers	9,136	9,970	306	308	.7	-3.6
Machine operators, assemblers, and inspectors	3,945	4,293	320	325	1.8	-2.6
Transportation and material moving occupations	2,975	3,276	343	342	-1	-4.4
Handlers, equipment cleaners, helpers, and laborers	2,215	2,401	251	259	3.5	-1.0
Farming, forestry, and fishing	916	901	205	210	2.6	-1.8
Women						
Managerial and professional specialty	6,954	7,492	351	369	5.2	.7
Executive, administrative, and managerial	2,647	3,006	324	353	9.1	4.4
Professional specialty	4,307	4,487	358	379	6.0	1.4
Technical, sales, and administrative support	13,260	13,466	246	257	4.5	.0
Technicians and related support	1,253	1,274	300	309	2.8	-1.7
Sales occupations	2,354	2,434	203	220	8.3	3.6
Administrative support, including clerical	9,652	9,758	246	256	4.1	-4
Service occupations	3,433	3,851	174	176	1.5	-2.8
Private household	257	313	107	131	22.3	17.0
Protective service	139	132	250	262	4.8	.3
Service, except private household and protective	3,037	3,405	176	178	1.0	-3.4
Precision production, craft, and repair	717	787	257	253	-1.6	-5.8
Mechanics and repairers	131	105	283	401	41.4	35.3
Construction trades	42	30	(¹)	(¹)	(¹)	(¹)
Other precision production, craft, and repair	544	652	\$255	\$242	-4.9	-9.0
Operators, fabricators, and laborers	3,307	3,587	206	208	1.1	-3.2
Machine operators, assemblers, and inspectors	2,712	2,981	205	208	1.8	-2.6
Transportation and material moving occupations	152	176	251	241	-3.9	-8.0
Handlers, equipment cleaners, helpers, and laborers	443	430	214	203	-5.1	-9.1
Farming, forestry, and fishing	88	119	162	181	11.5	6.7

¹ Data not shown where base is less than 100,000.
NOTE: Data on median weekly earnings are now derived using \$10 intervals rather than the \$50 intervals previously used. Data for 1983

have been recalculated and are not comparable with previously published data.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Total		89,921	90,738	93,229	94,094	94,886	-	-	-	-	-
Total private		73,750	74,765	77,013	77,870	78,914	59,576	60,508	62,301	63,062	63,954
Mining		938	950	977	991	1,008	660	672	697	709	722
Metal mining	10	57.5	57.9	58.5	59.2	-	41.8	42.4	42.7	43.2	-
Iron ores	101	11.0	11.0	11.8	11.9	-	7.2	7.5	8.7	8.8	-
Copper ores	102	19.8	19.9	18.3	18.4	-	14.5	14.5	12.9	13.0	-
Coal mining	11,12	189.4	194.0	203.7	205.3	-	152.0	156.2	165.1	167.0	-
Bituminous coal and lignite mining	12	186.5	191.1	201.0	202.7	-	149.5	153.7	162.8	164.7	-
Oil and gas extraction	13	583.8	587.7	604.3	611.5	622.5	384.2	389.0	404.6	410.6	-
Crude petroleum, natural gas, and natural gas liquids	131,2	262.5	266.1	255.8	257.0	-	121.9	124.4	117.4	118.3	-
Oil and gas field services	138	321.3	321.6	348.5	354.5	-	262.3	264.6	287.2	292.3	-
Nonmetallic minerals, except fuels	14	107.5	110.1	110.5	115.2	-	81.8	84.2	84.3	88.2	-
Crushed and broken stone	142	35.8	36.7	35.5	37.6	-	28.4	29.3	28.1	30.0	-
Sand and gravel	144	32.8	34.4	34.4	36.7	-	-	-	-	-	-
Chemical and fertilizer minerals	147	20.3	20.2	21.4	21.4	-	-	-	-	-	-
Construction		3,861	4,065	4,059	4,301	4,537	2,957	3,145	3,115	3,346	3,563
General building contractors	15	981.6	1,052.3	1,056.9	1,120.1	1,188.2	719.3	781.6	773.1	833.5	-
Residential building construction	152	477.5	517.3	507.3	544.9	-	341.3	376.1	358.9	393.4	-
Operative builders	153	53.4	59.1	61.3	62.8	-	29.0	33.1	32.9	34.6	-
Nonresidential building construction	154	450.7	475.9	488.3	512.4	-	349.0	372.4	381.3	405.5	-
Heavy construction contractors	16	794.1	835.2	752.4	808.1	-	637.0	678.2	606.0	661.2	-
Highway and street construction	161	240.0	267.4	223.8	265.0	-	201.0	227.6	183.0	223.0	-
Heavy construction, except highway	162	554.1	567.8	528.6	543.1	-	436.0	450.6	423.0	438.2	-
Special trade contractors	17	2,085.4	2,177.7	2,249.4	2,372.7	-	1,600.4	1,685.5	1,736.1	1,851.0	-
Plumbing, heating, and air conditioning	171	484.8	497.4	517.7	528.1	-	346.7	357.7	376.7	386.4	-
Painting, paper hanging, and decorating	172	128.9	137.1	132.6	142.8	-	106.3	114.4	108.7	118.8	-
Electrical work	173	388.9	399.8	418.4	428.2	-	290.8	300.6	315.9	324.4	-
Masonry, stonework, and plastering	174	315.2	331.7	348.6	368.2	-	264.6	280.8	294.4	312.1	-
Carpentering and flooring	175	115.5	121.4	127.0	131.0	-	86.4	91.8	94.1	97.7	-
Roofing and sheet metal work	176	160.3	167.4	170.8	181.4	-	126.2	133.0	135.6	145.8	-
Manufacturing		18,270	18,513	19,432	19,552	19,768	12,396	12,595	13,368	13,455	13,630
Durable goods		10,640	10,770	11,533	11,621	11,762	7,046	7,152	7,794	7,861	7,969
Lumber and wood products	24	645.2	676.4	700.6	713.2	729.7	536.5	565.9	587.3	598.0	613.4
Logging camps and logging contractors	241	76.8	85.2	75.1	79.4	-	58.9	67.0	57.4	61.2	-
Sawmills and planing mills	242	191.2	200.2	208.6	210.2	-	169.2	177.9	185.0	186.5	-
Sawmills and planing mills, general	2421	160.1	168.1	173.1	174.4	-	142.1	149.8	153.9	155.2	-
Hardwood dimension and flooring	2426	27.1	27.8	30.5	30.6	-	23.5	24.3	26.8	26.8	-
Millwork, plywood, and structural members	243	195.1	202.8	219.7	221.5	-	161.1	168.0	183.9	185.1	-
Millwork	2431	72.2	75.0	81.4	81.9	-	57.9	60.4	66.1	66.4	-
Wood kitchen cabinets	2434	47.9	49.3	57.8	58.6	-	38.1	39.2	47.1	48.0	-
Hardwood veneer and plywood	2435	22.4	23.2	24.8	25.0	-	19.6	20.3	21.9	22.0	-
Softwood veneer and plywood	2436	36.9	38.0	37.3	37.3	-	33.0	34.2	33.9	33.9	-
Wood containers	244	37.9	38.7	40.6	41.5	-	32.1	32.7	34.6	35.4	-
Wood buildings and mobile homes	245	69.0	73.1	73.3	77.3	-	52.8	56.8	56.7	60.2	-
Mobile homes	2451	50.8	53.4	54.6	57.0	-	40.4	43.2	44.2	46.2	-
Miscellaneous wood products	249	75.2	76.4	83.3	83.3	-	62.4	63.5	69.7	69.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Durable goods—Continued											
Furniture and fixtures	25	439.3	443.9	482.2	481.0	484.5	348.0	352.2	386.6	384.4	386.8
Household furniture	251	275.3	277.1	292.7	289.1	-	227.8	229.4	245.6	241.8	-
Wood household furniture	2511	123.2	123.6	128.3	127.1	-	106.1	106.7	111.5	110.2	-
Upholstered household furniture	2512	84.4	85.7	90.3	89.3	-	68.1	69.1	74.3	73.2	-
Metal household furniture	2514	26.9	26.6	31.5	30.6	-	21.7	21.4	25.9	25.0	-
Mattresses and bedspings	2515	28.8	29.2	29.8	29.2	-	21.9	22.1	23.0	22.3	-
Office furniture	252	53.0	54.4	64.6	64.9	-	40.4	41.7	50.0	49.8	-
Public building and related furniture	253	23.1	23.2	24.9	25.2	-	16.9	17.0	18.7	19.1	-
Partitions and fixtures	254	57.0	58.0	64.9	66.0	-	41.9	42.7	48.2	49.2	-
Miscellaneous furniture and fixtures	259	30.9	31.2	35.1	35.8	-	21.0	21.4	24.1	24.5	-
Stone, clay, and glass products	32	570.4	583.6	597.6	608.7	621.1	433.5	445.9	457.8	467.9	479.2
Flat glass	321	15.3	15.5	15.7	15.6	-	11.9	12.2	12.5	12.3	-
Glass and glassware, pressed or blown	322	103.8	105.4	100.6	100.6	-	86.8	88.7	85.3	85.4	-
Glass containers	3221	56.9	57.9	51.8	51.6	-	49.6	50.9	45.6	45.5	-
Pressed and blown glass, nec	3229	46.9	47.5	48.8	49.0	-	37.2	37.8	39.7	39.9	-
Products of purchased glass	323	44.8	44.9	48.8	48.7	-	29.9	29.7	33.8	33.7	-
Cement, hydraulic	324	25.9	26.3	26.1	26.2	-	20.3	20.8	20.4	20.5	-
Structural clay products	325	35.3	36.2	38.7	39.7	-	26.6	27.5	29.9	30.9	-
Pottery and related products	326	38.6	38.9	40.4	40.5	-	30.3	30.4	31.8	32.1	-
Concrete, gypsum, and plaster products	327	185.1	193.0	196.4	205.0	-	141.7	148.9	150.8	159.0	-
Concrete block and brick	3271	17.4	18.0	18.7	19.3	-	11.7	12.2	12.7	13.2	-
Concrete products, nec	3272	59.9	62.0	66.9	68.5	-	44.1	46.0	49.7	51.1	-
Ready-mixed concrete	3273	90.7	95.3	92.3	98.6	-	72.2	76.5	73.8	79.9	-
Misc. nonmetallic mineral products	329	110.8	112.6	119.7	121.3	-	77.6	79.2	84.5	85.2	-
Abrasive products	3291	22.0	22.5	23.9	24.6	-	14.3	14.8	16.1	16.2	-
Asbestos products	3292	11.7	12.1	12.4	12.4	-	8.6	8.9	9.4	9.4	-
Mineral wool	3296	25.5	26.0	27.3	27.6	-	-	-	-	-	-
Primary metal industries	33	831.9	838.0	886.4	891.4	901.2	618.6	623.9	675.8	679.9	688.3
Blast furnaces and basic steel products	331	343.5	345.8	349.2	350.5	353.9	257.4	259.8	269.8	270.9	-
Blast furnaces and steel mills	3312	279.7	282.2	280.3	280.3	-	210.8	213.6	218.2	218.2	-
Steel pipe and tubes	3317	24.1	24.0	24.8	25.6	-	17.2	17.0	18.1	18.8	-
Iron and steel foundries	332	139.8	140.8	157.2	158.1	-	106.2	107.2	124.2	125.4	-
Gray iron foundries	3321	90.1	90.4	100.7	101.9	-	71.1	71.6	82.2	83.4	-
Malleable iron foundries	3322	10.4	10.5	12.4	12.0	-	7.5	7.5	9.2	8.9	-
Steel foundries, nec	3325	28.9	29.8	32.2	32.4	-	20.5	21.4	24.3	24.4	-
Primary nonferrous metals	333	48.5	49.8	54.6	54.6	-	34.8	35.9	40.1	40.3	-
Primary aluminum	3334	24.3	25.2	29.8	29.6	-	18.2	18.9	23.2	23.1	-
Nonferrous rolling and drawing	335	183.0	182.9	189.5	191.1	-	129.5	128.9	134.6	135.5	-
Copper rolling and drawing	3351	25.1	25.2	25.4	26.9	-	18.3	18.4	18.7	19.8	-
Aluminum sheet, plate, and foil	3353	80.1	79.4	81.2	81.3	-	23.5	22.4	24.1	23.9	-
Nonferrous wire drawing and insulating	3357	78.7	79.2	81.7	81.4	-	55.5	55.7	58.0	57.8	-
Nonferrous foundries	336	77.1	78.4	88.8	89.6	-	61.6	62.7	71.6	72.2	-
Aluminum foundries	3361	46.0	46.7	53.9	54.9	-	37.7	38.4	44.3	45.2	-
Fabricated metal products	34	1,353.4	1,369.1	1,456.0	1,467.0	1,487.7	979.1	993.4	1,071.6	1,081.3	1,099.0
Metal cans and shipping containers	341	62.4	62.4	61.2	61.0	-	52.7	52.8	51.6	51.6	-
Metal cans	3411	50.1	50.1	48.9	48.8	-	43.2	43.2	42.1	42.1	-
Cutlery, hand tools, and hardware	342	136.0	137.7	146.4	146.5	-	99.8	101.6	109.4	109.5	-
Hand and edge tools, and hand saws and blades	3423,5	42.8	43.3	45.7	46.2	-	31.2	31.5	33.8	34.2	-
Hardware, nec	3429	79.8	80.8	87.0	86.7	-	59.5	60.8	66.4	66.1	-
Plumbing and heating, except electric	343	58.9	60.3	64.4	65.0	-	41.4	42.3	45.9	46.3	-
Plumbing fittings and brass goods	3432	24.0	24.4	27.7	27.8	-	18.4	18.6	21.1	21.1	-
Heating equipment, except electric	3433	26.3	27.1	27.1	27.8	-	17.0	17.6	17.7	18.2	-
Fabricated structural metal products	344	416.1	424.5	441.5	447.6	-	277.9	285.6	299.4	304.3	-
Fabricated structural metal	3441	75.1	75.4	77.1	78.1	-	51.2	51.6	53.1	53.9	-
Metal doors, sash, and trim	3442	78.1	82.3	86.2	88.7	-	56.5	60.2	62.7	64.4	-
Fabricated plate work (boiler shops)	3443	104.5	104.7	104.6	104.7	-	60.1	60.2	60.5	60.5	-
Sheet metal work	3444	101.3	103.3	113.0	113.7	-	72.1	74.1	82.7	83.4	-
Architectural metal work	3446	26.6	27.2	26.9	27.4	-	18.3	18.8	19.1	19.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	84.3	85.3	94.3	94.9	-	62.5	63.2	72.0	72.7	-
Screw machine products	3451	38.5	39.4	45.4	45.8	-	30.1	30.8	36.7	37.3	-
Bolts, nuts, rivets, and washers	3452	45.8	45.9	48.9	49.1	-	32.4	32.4	35.3	35.4	-
Metal forgings and stampings	346	224.4	225.6	253.9	255.1	-	177.2	178.3	203.9	204.9	-
Iron and steel forgings	3462	30.4	30.3	33.7	33.9	-	22.7	22.7	26.0	26.2	-
Automotive stampings	3465	85.3	85.5	98.8	99.4	-	72.3	72.5	84.7	85.2	-
Metal stampings, nec	3469	97.9	99.5	110.3	110.7	-	74.0	75.4	84.9	85.2	-
Metal services, nec	347	95.1	96.0	102.1	102.3	-	75.3	76.7	82.1	82.3	-
Plating and polishing	3471	65.4	66.2	70.6	71.1	-	53.0	54.1	58.0	58.4	-
Metal coating and allied services	3479	29.7	29.8	31.5	31.2	-	22.3	22.6	24.1	23.9	-
Ordnance and accessories, nec	348	64.4	64.6	65.5	66.8	-	41.6	41.4	42.2	43.4	-
Ammunition, except for small arms, nec	3483	29.0	29.1	29.6	30.7	-	19.0	18.9	18.8	19.9	-
Misc. fabricated metal products	349	211.8	212.7	226.7	227.8	-	150.7	151.5	165.1	166.3	-
Valves and pipe fittings	3494	83.2	82.9	85.2	85.3	-	54.0	54.0	57.6	57.6	-
Misc. fabricated wire products	3496	50.1	50.7	56.5	56.8	-	37.7	38.0	43.2	43.5	-
Machinery, except electrical	35	2,017.8	2,026.9	2,193.8	2,207.0	2,226.2	1,183.9	1,190.3	1,335.6	1,344.7	1,361.4
Engines and turbines	351	107.3	107.5	114.3	113.6	-	63.6	64.0	71.6	70.7	-
Turbines and turbine generator sets	3511	36.6	35.5	34.6	35.0	-	19.4	18.2	17.1	17.4	-
Internal combustion engines, nec	3519	70.7	72.0	79.7	78.6	-	44.2	45.8	54.5	53.3	-
Farm and garden machinery	352	109.2	108.3	119.8	118.8	-	71.7	70.7	81.6	80.4	-
Farm machinery and equipment	3523	89.3	88.9	95.9	95.9	-	57.7	57.2	63.8	63.7	-
Construction and related machinery	353	253.7	254.0	273.2	276.1	-	142.9	144.3	166.9	169.5	-
Construction machinery	3531	87.5	87.9	94.6	95.4	-	44.8	46.5	57.0	57.9	-
Mining machinery	3532	21.9	22.0	23.8	23.9	-	12.3	12.3	14.0	14.3	-
Oil field machinery	3533	71.3	69.8	74.7	75.8	-	44.0	42.6	47.8	48.6	-
Conveyors and conveying equipment	3535	25.4	25.8	28.2	28.7	-	13.0	13.2	14.8	15.0	-
Industrial trucks and tractors	3537	24.4	24.9	27.3	27.8	-	14.7	15.3	18.2	18.7	-
Metalworking machinery	354	273.2	274.1	306.1	308.2	-	187.7	188.7	216.9	219.0	-
Machine tools, metal cutting types	3541	51.4	51.6	55.3	55.8	-	29.0	29.3	33.2	33.7	-
Machine tools, metal forming types	3542	17.0	16.9	18.6	18.9	-	9.9	9.8	11.3	11.5	-
Special dies, tools, jigs, and fixtures	3544	117.1	117.9	133.3	133.8	-	90.0	90.8	104.1	105.0	-
Machine tool accessories	3545	50.3	50.3	57.9	58.3	-	33.8	33.9	40.5	40.8	-
Power driven hand tools	3546	20.9	21.3	23.4	23.7	-	15.0	15.3	16.6	16.8	-
Special industry machinery	355	158.8	159.4	165.8	167.2	-	93.0	93.2	99.0	100.2	-
Food products machinery	3551	36.4	36.3	36.7	36.7	-	22.3	22.3	22.7	22.8	-
Textile machinery	3552	20.2	20.4	21.2	21.4	-	13.5	13.7	14.6	14.8	-
Printing trades machinery	3555	32.9	33.0	33.4	33.9	-	18.8	18.9	19.2	19.7	-
General industrial machinery	356	249.9	250.6	273.9	276.1	-	152.7	154.1	174.5	176.4	-
Pumps and pumping equipment	3561	48.5	48.6	52.5	52.8	-	26.8	26.9	30.2	30.5	-
Ball and roller bearings	3562	42.8	43.2	49.2	49.8	-	31.6	31.9	37.2	37.8	-
Air and gas compressors	3563	23.3	23.4	22.4	22.8	-	11.5	11.7	11.8	12.2	-
Blowers and fans	3564	31.9	31.6	34.6	34.7	-	19.4	19.3	21.3	21.4	-
Speed changers, drives, and gears	3566	18.5	18.5	20.2	20.3	-	11.6	11.8	13.6	13.6	-
Power transmission equipment, nec	3568	15.9	16.2	19.1	19.4	-	10.5	10.7	13.0	13.2	-
Office and computing machines	357	471.3	478.6	497.8	500.2	-	189.1	191.5	199.8	200.2	-
Electronic computing equipment	3573	405.2	412.3	432.3	434.8	-	155.6	157.9	165.2	165.7	-
Refrigeration and service machinery	358	157.7	156.6	178.3	180.0	-	107.5	107.0	125.4	126.9	-
Refrigeration and heating equipment	3585	109.8	108.8	126.2	127.5	-	76.1	75.7	90.9	91.9	-
Misc. machinery, except electrical	359	236.7	237.8	264.6	266.8	-	175.7	176.8	199.9	201.4	-
Carburetors, pistons, rings, and valves	3592	33.6	33.4	37.6	38.3	-	26.9	26.6	30.1	30.9	-
Machinery, except electrical, nec	3599	203.1	204.4	227.0	228.5	-	148.8	150.2	169.8	170.5	-
Electrical and electronic equipment	36	1,984.1	2,017.2	2,205.8	2,224.9	2,257.2	1,203.0	1,222.5	1,369.7	1,382.0	1,403.1
Electric distributing equipment	361	106.7	107.5	112.6	113.2	-	75.6	76.5	81.5	81.8	-
Transformers	3612	47.3	47.9	50.5	50.9	-	32.8	33.5	36.4	36.7	-
Switchgear and switchboard apparatus	3613	59.4	59.6	62.1	62.3	-	42.8	43.0	45.1	45.1	-
Electrical industrial apparatus	362	193.8	195.6	214.2	215.6	-	133.1	134.6	152.0	153.5	-
Motors and generators	3621	96.3	97.6	107.2	107.7	-	73.3	74.4	83.4	83.9	-
Industrial controls	3622	61.0	61.4	66.9	67.4	-	35.8	36.0	40.8	41.5	-
Household appliances	363	137.1	141.4	156.6	157.2	-	107.1	110.7	124.1	124.9	-
Household refrigerators and freezers	3632	24.5	26.2	32.8	33.1	-	19.5	20.9	27.1	27.5	-
Household laundry equipment	3633	18.9	19.0	19.6	19.0	-	14.7	14.9	15.2	14.5	-
Electric housewares and fans	3634	41.3	41.9	44.2	44.8	-	31.9	32.3	34.0	34.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	184.0	186.5	202.8	202.8	-	134.5	136.2	149.3	148.8	-
Electric lamps	3641	27.4	27.5	28.5	28.6	-	23.8	24.0	24.8	24.8	-
Current-carrying wiring devices	3643	76.7	77.9	86.5	87.0	-	51.4	51.9	58.3	58.5	-
Noncurrent-carrying wiring devices	3644	16.8	17.1	17.5	17.6	-	12.0	12.3	12.5	12.7	-
Residential lighting fixtures	3645	24.5	25.2	27.6	26.7	-	18.4	19.0	21.1	20.1	-
Radio and TV receiving equipment	365	85.8	85.7	88.7	90.8	-	59.8	59.4	61.8	63.4	-
Radio and TV receiving sets	3651	65.9	66.0	70.0	70.5	-	45.2	44.9	48.2	48.2	-
Communication equipment	366	565.3	573.6	600.4	604.9	-	258.8	261.1	277.1	279.7	-
Telephone and telegraph apparatus	3661	139.8	141.6	148.9	150.2	-	88.5	89.0	95.9	96.8	-
Radio and TV communication equipment	3662	425.5	432.0	451.5	454.7	-	170.3	172.1	181.2	182.9	-
Electronic components and accessories	367	568.2	582.5	670.0	680.0	-	332.8	341.8	408.0	414.7	-
Electronic tubes	3671-3	38.6	39.3	41.1	41.4	-	24.7	25.0	25.3	25.3	-
Semiconductors and related devices	3674	229.8	234.2	263.4	267.5	-	96.4	98.1	115.6	117.9	-
Electronic components, nec	3679	230.5	237.3	277.8	281.9	-	160.1	165.1	199.0	202.1	-
Misc. electrical equipment and supplies	369	143.2	144.4	160.5	160.4	-	101.3	102.2	115.9	115.2	-
Storage batteries	3691	26.6	27.3	30.2	29.8	-	20.6	21.3	23.7	23.2	-
Engine electrical equipment	3694	56.0	56.5	64.7	65.0	-	43.2	43.7	51.2	51.3	-
Transportation equipment	37	1,739.9	1,747.7	1,906.9	1,921.8	1,937.6	1,090.8	1,098.7	1,226.1	1,237.1	1,244.4
Motor vehicles and equipment	371	744.1	753.6	856.2	863.9	873.9	558.0	569.0	659.9	667.6	-
Motor vehicles and car bodies	3711	349.4	351.9	380.9	384.4	-	251.5	256.3	280.5	284.4	-
Truck and bus bodies	3713	33.1	33.8	39.8	40.2	-	25.2	25.7	31.2	31.6	-
Motor vehicle parts and accessories	3714	330.1	334.3	385.1	387.8	-	257.3	261.0	307.5	310.0	-
Truck trailers	3715	20.4	22.0	32.4	33.3	-	15.1	16.6	25.6	26.5	-
Aircraft and parts	372	578.9	575.7	592.6	595.2	-	284.7	280.1	285.3	286.6	-
Aircraft	3721	307.1	306.0	314.8	316.3	-	134.1	131.9	132.8	133.3	-
Aircraft engines and engine parts	3724	142.4	139.6	142.2	142.7	-	76.6	73.9	74.7	75.0	-
Aircraft equipment, nec	3728	129.4	130.1	135.6	136.2	-	74.0	74.3	77.8	78.3	-
Ship and boat building and repairing	373	187.9	186.9	205.6	209.5	-	141.9	142.2	157.7	159.9	-
Ship building and repairing	3731	145.2	144.1	155.1	158.5	-	106.6	106.7	115.4	117.6	-
Boat building and repairing	3732	42.7	42.8	50.5	51.0	-	35.3	35.5	42.3	42.3	-
Railroad equipment	374	29.0	29.8	36.0	36.4	-	17.8	18.8	24.6	25.0	-
Guided missiles, space vehicles, and parts	376	137.4	138.8	147.8	148.7	-	44.6	44.7	48.9	49.6	-
Guided missiles and space vehicles	3761	106.8	107.7	114.1	114.8	-	33.5	33.5	36.7	37.3	-
Miscellaneous transportation equipment	379	47.4	47.6	51.3	50.9	-	32.7	32.6	36.6	35.6	-
Travel trailers and campers	3792	20.5	21.0	23.9	23.2	-	16.3	16.6	19.7	18.5	-
Instruments and related products	38	688.2	692.5	717.2	720.9	728.7	385.9	388.6	402.3	404.1	408.4
Engineering and scientific instruments	381	75.5	75.8	78.9	79.7	-	34.9	35.1	35.5	35.7	-
Measuring and controlling devices	382	231.1	232.0	248.4	250.6	-	135.8	136.2	144.5	145.6	-
Environmental controls	3822	41.6	41.8	47.0	47.4	-	27.3	27.3	30.2	30.4	-
Process control instruments	3823	52.7	52.5	53.2	53.4	-	25.3	25.2	25.5	25.8	-
Instruments to measure electricity	3825	97.2	97.9	104.9	106.2	-	56.4	56.8	60.0	60.5	-
Optical instruments and lenses	383	32.5	32.7	31.5	31.4	-	16.2	16.2	16.9	17.0	-
Medical instruments and supplies	384	166.5	169.7	177.0	177.2	-	101.0	103.1	107.5	107.5	-
Surgical and medical instruments	3841	83.0	85.0	86.4	86.5	-	48.1	49.4	49.7	49.6	-
Surgical appliances and supplies	3842	69.4	70.7	76.0	76.0	-	44.7	45.6	49.3	49.3	-
Ophthalmic goods	385	38.5	38.8	40.7	40.8	-	26.4	26.7	27.1	27.2	-
Photographic equipment and supplies	386	128.1	127.3	124.3	124.8	-	60.9	60.2	59.5	59.8	-
Watches, clocks, and watchcases	387	16.0	16.2	16.4	16.4	-	10.7	11.1	11.3	11.3	-
Miscellaneous manufacturing	39	369.9	375.0	386.3	385.5	388.5	266.2	270.7	281.4	281.1	284.9
Jewelry, silverware, and plated ware	391	52.3	52.6	52.9	52.1	-	36.9	37.0	36.3	35.9	-
Jewelry, precious metal	3911	35.1	35.0	35.3	34.6	-	24.7	24.5	24.1	23.8	-
Musical instruments	393	16.4	16.6	17.9	17.7	-	12.7	12.9	14.1	13.8	-
Toys and sporting goods	394	108.9	110.9	119.1	120.2	-	78.1	80.2	89.4	90.5	-
Dolls, games, toys, and children's vehicles	3942,4	57.6	59.5	58.6	59.8	-	39.1	41.2	42.3	43.5	-
Sporting and athletic goods, nec	3949	51.3	51.4	60.5	60.4	-	39.0	39.0	47.1	47.0	-
Pens, pencils, office, and art supplies	395	32.4	32.9	33.6	33.7	-	22.3	23.0	23.0	23.1	-
Costume jewelry and notions	396	37.4	37.8	35.8	35.2	-	28.7	29.1	27.1	26.6	-
Costume jewelry	3961	20.5	20.7	19.7	19.2	-	15.9	16.0	14.9	14.4	-
Miscellaneous manufactures	399	122.5	124.2	127.0	126.6	-	87.5	88.5	91.5	91.2	-
Signs and advertising displays	3993	46.2	47.2	49.9	49.8	-	32.4	33.2	35.3	35.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Nondurable goods		7,630	7,743	7,899	7,931	8,006	5,350	5,443	5,574	5,594	5,661
Food and kindred products	20	1,575.6	1,618.2	1,583.8	1,599.6	1,631.3	1,075.2	1,112.5	1,083.4	1,097.8	1,127.6
Meat products	201	340.7	342.2	348.7	351.2	-	283.8	284.9	291.2	294.2	-
Meat packing plants	2011	141.2	138.6	145.1	144.8	-	114.4	112.2	118.9	119.2	-
Sausages and other prepared meats	2013	71.0	72.5	71.6	71.9	-	52.7	53.9	53.2	53.2	-
Poultry dressing plants	2016	111.4	113.6	114.7	117.3	-	101.6	103.4	103.9	106.6	-
Dairy products	202	164.2	168.0	162.1	164.2	-	94.0	97.3	93.8	95.7	-
Cheese, natural and processed	2022	37.9	38.7	36.7	37.3	-	28.9	29.7	28.0	28.6	-
Fluid milk	2026	88.6	90.0	87.7	88.2	-	40.7	41.8	41.5	41.7	-
Preserved fruits and vegetables	203	206.3	226.9	209.0	216.2	-	166.8	185.8	168.3	175.0	-
Canned specialties	2032	22.9	23.8	24.4	24.8	-	16.9	17.5	17.7	17.9	-
Canned fruits and vegetables	2033	69.3	75.7	66.1	69.4	-	54.0	59.5	51.5	55.0	-
Frozen fruits and vegetables	2037	44.7	52.1	44.6	46.4	-	38.3	45.3	38.7	40.6	-
Grain mill products	204	129.0	132.0	128.2	128.6	-	86.7	89.2	86.0	86.0	-
Flour and other grain mill products	2041	24.9	25.3	24.4	24.5	-	15.0	15.1	14.6	14.7	-
Prepared feeds, nec	2048	47.8	48.5	46.5	46.6	-	30.3	31.1	29.1	29.1	-
Bakery products	205	214.8	217.0	212.5	214.1	-	126.4	128.9	126.1	127.1	-
Bread, cake, and related products	2051	171.1	172.6	169.3	170.1	-	91.5	93.2	91.3	91.7	-
Cookies and crackers	2052	43.7	44.4	43.2	44.0	-	34.9	35.7	34.8	35.4	-
Sugar and confectionery products	206	94.6	96.0	95.0	94.8	-	72.3	73.7	71.4	71.4	-
Cane and beet sugar	2061-3	24.7	23.8	23.4	23.4	-	18.4	17.7	17.6	17.7	-
Confectionery products	2065	50.8	52.4	52.5	52.0	-	41.0	42.5	41.2	40.7	-
Fats and oils	207	39.2	38.8	39.6	39.0	-	29.1	28.7	29.2	28.9	-
Beverages	208	225.2	228.5	224.3	225.7	-	96.6	98.0	95.8	96.8	-
Malt beverages	2082	49.7	48.9	48.4	48.4	-	31.9	30.5	29.7	29.9	-
Bottled and canned soft drinks	2086	130.5	133.3	130.6	132.7	-	41.9	43.4	42.1	43.2	-
Misc. food and kindred products	209	161.6	168.8	164.4	165.8	-	119.5	126.0	121.6	122.7	-
Tobacco manufactures	21	64.2	64.4	62.4	61.9	62.7	48.3	48.2	46.0	45.3	46.1
Cigarettes	211	47.1	47.5	44.4	44.4	-	35.5	35.7	32.5	32.5	-
Textile mill products	22	736.4	746.0	765.6	763.1	763.8	634.2	643.7	663.4	660.6	662.7
Weaving mills, cotton	221	123.1	124.1	123.1	123.0	-	109.0	110.3	110.4	110.4	-
Weaving mills, synthetics	222	89.6	91.3	92.7	92.9	-	80.0	81.7	82.6	82.8	-
Weaving and finishing mills, wool	223	17.1	17.1	19.1	19.1	-	14.4	14.9	16.2	16.1	-
Narrow fabric mills	224	22.2	22.5	23.5	23.4	-	19.1	19.4	20.1	20.0	-
Knitting mills	225	202.9	206.3	210.4	210.3	-	175.1	178.1	183.2	183.1	-
Women's hosiery, except socks	2251	32.4	33.4	35.2	35.1	-	29.0	29.7	31.8	31.5	-
Hosiery, nec	2252	34.4	35.2	35.7	35.7	-	31.1	31.9	32.1	32.1	-
Knit outerwear mills	2253	62.3	62.8	63.1	63.4	-	53.0	53.7	54.3	54.5	-
Knit underwear mills	2254	29.7	30.2	31.2	31.2	-	25.2	25.6	26.8	26.9	-
Circular knit fabric mills	2257	25.2	25.2	25.5	25.2	-	21.2	21.2	21.7	21.5	-
Textile finishing, except wool	226	63.5	63.7	65.4	64.6	-	52.9	53.1	55.2	54.4	-
Finishing plants, cotton	2261	25.5	25.5	25.7	25.2	-	21.2	21.1	21.6	21.1	-
Finishing plants, synthetics	2262	23.5	23.5	24.0	23.8	-	19.5	19.6	20.2	20.0	-
Floor covering mills	227	48.0	48.2	52.7	52.7	-	37.9	38.4	42.5	42.4	-
Yarn and thread mills	228	111.5	112.6	115.1	113.7	-	99.9	100.9	102.6	101.2	-
Yarn mills, except wool	2281	77.0	77.7	78.7	77.9	-	69.7	70.3	70.9	70.2	-
Throwing and winding mills	2282	16.9	17.1	18.4	17.9	-	15.0	15.2	16.4	15.9	-
Miscellaneous textile goods	229	58.5	59.6	63.6	63.4	-	45.9	46.9	50.6	50.2	-
Apparel and other textile products	23	1,153.5	1,172.8	1,220.6	1,221.4	1,228.5	975.9	993.3	1,035.8	1,035.9	1,037.7
Men's and boys' suits and coats	231	70.1	71.0	72.7	72.7	-	61.1	62.0	63.5	63.6	-
Men's and boys' furnishings	232	322.8	328.2	346.9	349.5	-	276.1	281.1	298.6	301.0	-
Men's and boys' shirts and nightwear	2321	92.6	94.5	99.2	100.8	-	79.7	81.5	86.0	87.7	-
Men's and boys' separate trousers	2327	63.2	63.8	67.3	67.9	-	54.9	55.5	58.4	58.9	-
Men's and boys' work clothing	2328	97.2	99.3	105.4	105.5	-	82.3	84.2	89.7	89.8	-
Women's and misses' outerwear	233	384.5	389.6	401.6	398.8	-	325.9	329.9	339.9	336.9	-
Women's and misses' blouses and waists	2331	59.6	60.9	59.4	58.9	-	50.5	51.6	50.9	50.4	-
Women's and misses' dresses	2335	122.8	124.5	131.6	127.7	-	105.3	107.0	112.6	108.2	-
Women's and misses' suits and coats	2337	56.2	60.5	55.0	57.6	-	48.0	51.1	45.3	47.1	-
Women's and misses' outerwear, nec	2339	145.9	143.7	155.6	154.6	-	122.1	120.2	131.1	131.2	-

See footnotes at end of table.

ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	82.3	83.3	88.8	88.7	-	69.5	70.3	75.1	75.0	-
Women's and children's underwear	2341	66.1	67.2	72.0	72.1	-	57.3	58.2	62.4	62.4	-
Brassieres and allied garments	2342	16.2	16.1	16.8	16.6	-	12.2	12.1	12.7	12.6	-
Children's outerwear	236	58.1	60.2	62.6	63.8	-	49.2	51.2	53.0	54.0	-
Children's dresses and blouses	2361	24.6	25.2	25.4	25.9	-	21.7	22.3	22.4	22.8	-
Misc. apparel and accessories	238	45.8	47.2	47.7	47.9	-	37.8	39.1	39.8	40.1	-
Misc. fabricated textile products	239	170.7	173.6	181.2	180.3	-	140.4	143.2	150.2	149.1	-
Curtains and draperies	2391	24.3	25.2	26.7	26.6	-	19.9	20.6	21.8	21.7	-
House furnishings, nec	2392	49.3	49.4	51.8	50.8	-	41.3	41.6	44.1	43.4	-
Automotive and apparel trimmings	2396	31.0	31.9	33.4	33.5	-	25.7	26.4	27.6	27.6	-
Paper and allied products	26	657.0	664.3	677.4	680.0	688.2	491.6	497.8	509.6	512.0	519.7
Paper and pulp mills	261,2,6	198.1	199.3	203.4	204.5	-	149.3	150.2	154.1	154.9	-
Paper mills, except building paper	262	172.7	173.4	177.5	178.6	-	128.7	129.1	133.0	134.0	-
Paperboard mills	263	58.5	59.4	58.3	58.9	-	44.8	45.4	44.7	45.3	-
Misc. converted paper products	264	211.9	214.3	220.5	220.7	-	154.4	156.5	160.8	160.9	-
Paper coating and glazing	2641	54.7	55.9	57.0	57.3	-	35.0	36.2	37.0	37.1	-
Envelopes	2642	24.2	24.6	25.7	25.6	-	18.7	18.9	20.0	19.8	-
Bags, except textile bags	2643	46.7	46.9	48.4	48.5	-	36.1	36.4	37.8	37.7	-
Paperboard containers and boxes	265	188.5	191.3	195.2	195.9	-	143.1	145.7	150.0	150.9	-
Folding paperboard boxes	2651	40.0	40.8	42.0	42.2	-	31.2	31.8	32.9	33.2	-
Corrugated and solid fiber boxes	2653	97.2	98.7	101.7	101.6	-	71.8	73.2	76.3	76.2	-
Sanitary food containers	2654	23.3	23.6	22.9	23.0	-	18.8	19.2	18.8	19.0	-
Printing and publishing	27	1,286.8	1,294.1	1,349.5	1,352.2	1,359.9	705.3	707.5	745.9	745.8	747.6
Newspapers	271	424.6	428.5	438.2	438.6	-	159.4	160.3	165.3	165.3	-
Periodicals	272	98.1	98.4	102.6	103.1	-	21.3	21.1	23.2	23.0	-
Books	273	99.1	97.9	103.0	103.1	-	49.9	49.1	52.5	51.8	-
Book publishing	2731	73.7	72.3	75.0	75.2	-	29.0	28.0	29.6	29.0	-
Book printing	2732	25.4	25.6	28.0	27.9	-	20.9	21.1	22.9	22.8	-
Miscellaneous publishing	274	53.3	53.5	55.7	55.1	-	29.0	28.9	29.9	28.9	-
Commercial printing	275	433.6	436.6	462.8	465.2	-	316.2	317.8	340.1	341.7	-
Commercial printing, letterpress	2751	149.1	150.4	159.7	161.1	-	110.6	111.4	119.2	119.9	-
Commercial printing, lithographic	2752	260.2	262.2	277.8	278.8	-	186.5	187.5	200.5	201.4	-
Manifold business forms	276	46.7	46.9	49.0	48.5	-	32.5	32.5	33.8	33.6	-
Blankbooks and bookbinding	278	63.9	64.6	68.0	67.8	-	51.5	52.3	54.1	54.1	-
Printing trade services	279	44.4	44.3	46.2	46.6	-	32.9	32.7	34.1	34.4	-
Chemicals and allied products	28	1,046.0	1,053.6	1,055.5	1,057.7	1,065.1	580.2	584.9	589.2	588.1	596.2
Industrial inorganic chemicals	281	155.3	155.8	155.7	156.1	-	79.6	79.5	79.1	79.3	-
Industrial inorganic chemicals, nec	2819	104.4	105.1	106.9	107.2	-	55.2	55.1	55.5	55.8	-
Plastics materials and synthetics	282	176.6	177.7	175.8	175.9	-	114.3	115.2	115.8	116.0	-
Plastics materials and resins	2821	73.7	74.4	75.5	75.7	-	42.6	43.1	44.8	44.9	-
Organic fibers, noncellulosic	2824	73.1	73.3	70.5	70.5	-	51.2	51.4	49.7	49.7	-
Drugs	283	199.3	201.6	200.4	200.1	-	97.2	98.2	96.1	94.2	-
Pharmaceutical preparations	2834	156.7	158.6	158.9	159.4	-	74.5	75.4	74.9	74.8	-
Soap, cleaners, and toilet goods	284	140.8	144.0	145.5	145.1	-	87.5	90.1	92.2	92.3	-
Soap and other detergents	2841	42.7	43.3	42.6	42.6	-	27.4	27.9	27.2	27.6	-
Toilet preparations	2844	61.1	63.1	64.4	63.9	-	40.0	41.6	43.4	43.1	-
Polishing, sanitation, and finishing preparations	2842,3	37.0	37.6	38.5	38.6	-	20.1	20.6	21.6	21.6	-
Paints and allied products	285	59.2	60.4	61.3	61.9	-	28.8	29.9	30.1	30.6	-
Industrial organic chemicals	286	162.9	163.1	162.0	163.1	-	84.1	83.7	82.5	82.2	-
Cyclic crudes and intermediates	2865	33.2	33.2	32.8	33.4	-	20.2	20.1	19.8	19.6	-
Gum, wood, and industrial organic chemicals, nec	2861,9	129.7	129.9	129.2	129.7	-	63.9	63.6	62.7	62.6	-
Agricultural chemicals	287	63.1	61.5	62.6	63.0	-	38.6	37.5	39.4	39.6	-
Miscellaneous chemical products	289	88.8	89.5	92.2	92.5	-	50.1	50.8	54.0	53.9	-
Petroleum and coal products	29	197.0	198.8	187.0	188.8	190.9	119.6	120.4	109.8	111.2	114.9
Petroleum refining	291	159.4	159.8	150.1	150.6	-	92.6	92.3	83.6	83.8	-
Paving and roofing materials	295	26.5	27.8	25.5	26.8	-	20.3	21.3	19.1	20.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Nondurable goods—Continued											
Rubber and misc. plastics products	30	705.7	719.5	790.5	798.3	806.0	546.4	558.1	617.5	623.7	631.9
Tires and inner tubes	301	95.1	95.7	100.0	100.7	-	69.2	69.7	70.1	70.5	-
Rubber and plastics footwear	302	17.6	17.7	17.7	18.2	-	14.9	15.1	15.1	15.6	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	19.7	19.9	23.5	24.3	-	13.7	13.8	16.6	17.3	-
Fabricated rubber products, nec	306	98.3	100.0	109.7	110.1	-	75.3	76.5	85.0	85.3	-
Miscellaneous plastics products	307	475.0	486.2	539.6	545.0	-	373.3	383.0	430.7	435.0	-
Leather and leather products	31	207.7	211.1	206.9	207.5	210.0	173.1	176.3	173.3	174.0	176.6
Leather tanning and finishing	311	19.2	19.3	18.4	18.5	-	16.0	16.1	15.3	15.5	-
Footwear, except rubber	314	129.0	130.2	124.7	125.5	-	110.0	110.8	106.3	107.1	-
Men's footwear, except athletic	3143	51.4	52.4	51.4	51.5	-	41.5	42.3	41.8	42.1	-
Women's footwear, except athletic	3144	49.6	49.6	47.7	48.0	-	44.1	43.9	42.0	42.2	-
Luggage	316	12.6	13.0	12.5	12.3	-	8.8	9.3	9.5	9.2	-
Handbags and personal leather goods	317	25.6	26.8	27.7	27.8	-	20.7	21.9	22.7	22.9	-
Transportation and public utilities		5,000	5,049	5,094	5,143	5,209	4,121	4,165	4,194	4,236	4,297
Transportation		2,733	2,765	2,836	2,875	2,914	-	-	-	-	-
Railroad transportation	40	384.4	386.0	373.6	379.9	-	-	-	-	-	-
Class I railroads ²	4011	355.3	356.6	344.1	350.1	-	-	-	-	-	-
Local and interurban passenger transit	41	269.2	255.9	269.5	271.2	-	250.1	237.3	250.9	252.1	-
Local and suburban transportation	411	79.1	78.4	81.1	81.5	-	72.5	71.9	74.5	74.7	-
Taxicabs	412	39.5	38.8	38.3	38.0	-	-	-	-	-	-
Intercity highway transportation	413	37.9	38.5	37.0	37.8	-	34.6	35.3	34.3	34.9	-
School buses	415	92.8	80.3	92.7	93.2	-	-	-	-	-	-
Trucking and warehousing	42	1,187.2	1,218.1	1,258.7	1,275.9	-	1,029.7	1,059.8	1,094.5	1,108.3	-
Trucking and trucking terminals	421,3	1,106.8	1,137.0	1,175.6	1,192.8	-	963.0	992.4	1,025.3	1,039.5	-
Public warehousing	422	80.4	81.1	83.1	83.1	-	66.7	67.4	69.2	68.8	-
Water transportation	44	193.0	197.8	202.6	209.6	-	-	-	-	-	-
Local water transportation	445	28.3	29.4	28.8	29.9	-	-	-	-	-	-
Water transportation services	446	99.1	102.5	106.4	112.1	-	-	-	-	-	-
Transportation by air	45	450.3	454.6	468.0	472.3	-	-	-	-	-	-
Air transportation	451,2	398.0	401.6	410.0	413.6	-	-	-	-	-	-
Air transportation services	458	52.3	53.0	58.0	58.7	-	-	-	-	-	-
Pipe lines, except natural gas	46	20.8	21.1	20.8	21.0	-	14.5	14.9	14.8	14.8	-
Transportation services	47	228.0	231.4	242.5	245.4	-	-	-	-	-	-
Freight forwarding	471	53.5	54.1	59.0	59.9	-	-	-	-	-	-
Communication and public utilities		2,267	2,284	2,258	2,268	2,295	-	-	-	-	-
Communication	48	1,387.6	1,393.3	1,380.5	1,386.2	-	1,055.1	1,059.0	1,044.5	1,047.4	-
Telephone communication	481	1,020.7	1,022.0	986.4	989.1	-	761.2	762.0	733.7	734.6	-
Radio and television broadcasting	483	224.5	227.3	228.0	229.2	-	179.5	181.9	183.9	185.0	-
Radio broadcasting	4832	109.6	111.0	110.4	110.5	-	-	-	-	-	-
Television broadcasting	4833	114.9	116.3	117.6	118.7	-	-	-	-	-	-
Electric, gas, and sanitary services	49	879.8	890.4	877.2	881.8	-	710.1	719.8	699.2	703.5	-
Electric services	491	430.8	435.5	432.4	434.9	-	341.9	346.0	338.5	340.4	-
Gas production and distribution	492	173.0	175.7	169.4	170.4	-	138.3	140.9	134.1	135.1	-
Combination utility services	493	201.2	203.1	197.5	198.1	-	164.5	166.3	159.3	160.3	-
Sanitary services	495	51.0	51.5	54.6	54.7	-	45.7	46.3	48.3	48.3	-
Wholesale trade		5,214	5,272	5,449	5,489	5,547	4,177	4,236	4,380	4,413	4,463
Durable goods	50	3,034	3,063	3,209	3,237	3,274	2,404	2,435	2,562	2,586	-
Motor vehicles and automotive equipment	501	395.9	401.4	412.7	415.5	-	306.3	312.3	329.2	332.0	-
Automobiles and other motor vehicles	5012	95.1	96.3	100.9	101.7	-	-	-	-	-	-
Automotive parts and supplies	5013	268.3	272.2	278.3	279.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	113.5	114.9	118.2	118.4	-	93.5	95.0	98.4	98.8	-
Furniture	5021	47.9	48.7	50.1	49.7	-	-	-	-	-	-
Home furnishings	5023	65.6	66.2	68.1	68.7	-	-	-	-	-	-
Lumber and construction materials	503	183.7	188.7	198.4	202.8	-	150.2	155.1	164.3	168.4	-
Lumber, plywood, and millwork	5031	81.9	84.2	92.3	93.9	-	-	-	-	-	-
Construction materials, nec	5039	101.8	104.5	106.1	108.9	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	71.0	72.3	73.2	73.4	-	57.2	58.5	60.8	61.0	-
Metals and minerals, except petroleum	505	127.5	127.7	130.9	131.5	-	101.3	101.5	105.8	106.4	-
Electrical goods	506	434.2	437.3	459.7	462.7	-	343.6	346.3	364.4	365.8	-
Electrical apparatus and equipment	5063	234.2	235.7	242.3	243.3	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	70.5	70.5	73.2	74.0	-	-	-	-	-	-
Electronic parts and equipment	5065	129.5	131.1	144.2	145.4	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	230.7	234.0	243.9	245.0	-	185.3	189.0	197.5	198.6	-
Hardware	5072	79.4	79.9	82.8	82.6	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	94.6	96.2	101.4	102.1	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,299.0	1,306.4	1,379.0	1,391.4	-	1,019.6	1,028.1	1,081.7	1,091.8	-
Commercial machines and equipment	5081	437.7	439.3	476.2	479.8	-	-	-	-	-	-
Construction and mining machinery	5082	72.0	72.0	77.5	78.2	-	-	-	-	-	-
Farm machinery and equipment	5083	135.3	137.6	137.4	140.1	-	-	-	-	-	-
Industrial machinery and equipment	5084	289.2	290.0	303.9	306.2	-	-	-	-	-	-
Industrial supplies	5085	123.8	124.8	130.3	131.9	-	-	-	-	-	-
Professional equipment and supplies	5086	146.7	147.7	154.5	155.5	-	-	-	-	-	-
Miscellaneous durable goods	509	178.4	180.5	193.3	196.6	-	146.9	149.1	160.3	162.9	-
Scrap and waste materials	5093	82.0	83.4	92.1	94.3	-	-	-	-	-	-
Nondurable goods	51	2,180	2,209	2,240	2,252	2,273	1,773	1,801	1,818	1,827	-
Paper and paper products	511	159.0	160.5	170.1	170.2	-	127.8	129.6	138.5	138.0	-
Drugs, proprietaries, and sundries	512	153.9	155.0	156.4	156.8	-	128.7	129.5	129.6	130.5	-
Apparel, piece goods, and notions	513	168.0	170.6	175.9	175.8	-	127.4	129.6	130.0	130.1	-
Groceries and related products	514	679.7	693.7	705.6	709.6	-	585.6	600.3	607.5	610.0	-
Groceries, general line	5141	215.1	217.0	226.3	226.9	-	-	-	-	-	-
Meats and meat products	5147	62.7	62.9	64.7	65.0	-	-	-	-	-	-
Fresh fruits and vegetables	5148	89.8	95.8	89.7	90.7	-	-	-	-	-	-
Chemicals and allied products	516	122.1	123.3	125.4	126.1	-	83.9	85.3	86.6	87.1	-
Petroleum and petroleum products	517	211.8	214.9	208.1	209.1	-	156.8	159.7	154.9	155.9	-
Petroleum bulk stations and terminals	5171	86.0	87.6	82.9	83.4	-	-	-	-	-	-
Petroleum products, nec	5172	125.8	127.3	125.2	125.7	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	146.9	149.1	149.6	150.9	-	123.7	126.2	124.8	125.7	-
Beer and ale	5181	90.7	92.6	92.7	94.4	-	-	-	-	-	-
Wines and distilled beverages	5182	56.2	56.5	56.9	56.5	-	-	-	-	-	-
Miscellaneous nondurable goods	519	400.2	403.8	404.1	408.1	-	326.6	328.7	326.5	330.7	-
Farm supplies	5191	156.4	157.0	153.1	155.2	-	-	-	-	-	-
Retail trade		15,427	15,623	15,918	16,139	16,306	13,846	14,023	14,246	14,450	14,591
Building materials and garden supplies	52	620.0	636.3	640.4	659.6	-	523.8	538.2	540.9	559.5	-
Lumber and other building materials	521	318.9	330.3	335.3	344.2	-	270.3	281.2	284.8	293.2	-
Hardware stores	525	148.2	151.1	152.2	155.7	-	125.7	128.4	128.5	131.7	-
General merchandise stores	53	2,073.0	2,095.5	2,167.8	2,193.8	2,208.6	1,935.4	1,959.8	2,028.6	2,050.2	-
Department stores	531	1,750.9	1,767.9	1,846.1	1,863.9	-	1,646.0	1,664.8	1,742.8	1,758.3	-
Variety stores	533	206.4	207.8	204.2	208.1	-	190.0	191.3	184.6	188.4	-
Misc. general merchandise stores	539	115.7	119.8	117.5	121.8	-	99.4	103.7	101.2	103.5	-
Food stores	54	2,539.2	2,560.6	2,609.0	2,619.4	2,642.0	2,355.7	2,377.6	2,426.4	2,435.6	-
Grocery stores	541	2,224.8	2,244.2	2,286.2	2,299.5	-	2,073.4	2,093.2	2,135.2	2,147.8	-
Meat markets and freezer provisioners	542	58.6	59.1	56.8	56.6	-	-	-	-	-	-
Dairy products stores	545	36.7	37.9	37.8	38.9	-	-	-	-	-	-
Retail bakeries	546	139.8	141.7	146.9	146.9	-	127.4	129.3	134.1	133.9	-
Automotive dealers and service stations	55	1,651.1	1,676.8	1,735.8	1,754.9	1,770.1	1,390.0	1,413.6	1,455.4	1,475.2	-
New and used car dealers	551.2	751.3	761.2	808.2	812.2	-	617.6	626.3	666.6	670.2	-
Auto and home supply stores	553	270.0	273.8	278.7	282.0	-	233.3	236.2	233.8	237.7	-
Gasoline service stations	554	552.0	561.3	565.8	575.3	-	476.1	485.2	488.9	498.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Retail trade—Continued											
Apparel and accessory stores	56	940.8	944.8	960.9	961.8	-	794.3	797.5	809.4	808.2	-
Men's and boys' clothing and furnishings	561	114.4	115.6	115.2	115.9	-	96.3	97.3	95.7	96.8	-
Women's ready-to-wear stores	562	340.4	341.9	347.5	351.3	-	290.1	290.7	294.9	297.2	-
Family clothing stores	565	173.4	173.9	175.5	176.5	-	150.6	151.3	152.2	153.0	-
Shoe stores	566	204.8	204.8	213.3	207.3	-	166.3	166.1	173.7	167.6	-
Furniture and home furnishings stores	57	586.2	593.9	640.7	642.7	-	487.4	494.0	535.3	535.7	-
Furniture and home furnishings stores	571	350.4	355.6	376.0	378.6	-	290.8	295.5	313.6	316.1	-
Furniture stores	5712	229.1	231.3	243.3	245.3	-	-	-	-	-	-
Household appliance stores	572	76.3	77.0	77.9	78.4	-	65.1	65.8	66.4	66.6	-
Radio, television, and music stores	573	159.5	161.3	186.8	185.7	-	131.5	132.7	155.3	153.0	-
Radio and television stores	5732	104.1	105.7	126.5	125.5	-	-	-	-	-	-
Music stores	5733	55.4	55.6	60.3	60.2	-	-	-	-	-	-
Eating and drinking places	58	5,078.1	5,172.9	5,148.4	5,268.2	5,366.8	4,679.7	4,763.0	4,715.3	4,828.9	-
Miscellaneous retail	59	1,939.0	1,942.2	2,014.7	2,038.8	-	1,679.4	1,679.6	1,735.1	1,757.1	-
Drug stores and proprietary stores	591	497.5	502.7	520.7	523.8	-	441.3	446.4	457.0	459.8	-
Liquor stores	592	125.3	127.6	121.8	123.0	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	617.2	622.8	644.5	647.8	-	527.9	531.0	549.4	552.9	-
Sporting goods and bicycle shops	5941	99.0	100.5	106.5	104.6	-	-	-	-	-	-
Book stores	5942	58.9	58.3	65.9	65.3	-	-	-	-	-	-
Stationery stores	5943	63.4	64.0	67.1	67.2	-	-	-	-	-	-
Jewelry stores	5944	137.3	137.1	133.4	135.9	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	110.5	114.7	114.7	117.2	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	62.5	61.7	67.7	67.8	-	-	-	-	-	-
Nonstore retailers	596	239.3	240.7	254.4	252.8	-	219.1	219.4	231.3	230.1	-
Mail order houses	5961	116.1	115.2	118.3	117.3	-	-	-	-	-	-
Merchandising machine operators	5962	76.8	77.5	82.8	82.9	-	-	-	-	-	-
Fuel and ice dealers	598	99.3	99.0	105.4	103.4	-	82.1	81.6	87.3	85.6	-
Retail stores, nec	599	295.0	282.9	295.9	314.9	-	247.9	236.2	246.9	264.3	-
Finance, insurance, and real estate³		5,441	5,507	5,594	5,639	5,710	4,048	4,109	4,154	4,191	4,257
Finance		2,717	2,750	2,822	2,834	2,864	-	-	-	-	-
Banking	60	1,655.2	1,672.2	1,669.8	1,676.1	-	1,234.7	1,249.5	1,241.1	1,246.4	-
Commercial and stock savings banks	602	1,501.9	1,516.9	1,518.1	1,523.5	-	1,115.4	1,128.7	1,121.0	1,125.9	-
State banks, Federal Reserve	6022	330.6	333.4	335.4	336.1	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	377.5	382.7	381.2	383.2	-	-	-	-	-	-
Mutual savings banks	603	74.3	75.9	77.4	77.8	-	-	-	-	-	-
Credit agencies other than banks	61	624.2	632.4	670.8	675.8	-	474.4	482.3	510.4	515.1	-
Savings and loan associations	612	289.8	293.7	309.2	311.7	-	223.4	227.2	237.7	240.5	-
Federal savings and loan associations	6122	166.5	169.1	179.0	180.4	-	-	-	-	-	-
State associations, insured	6123	114.7	115.9	121.1	122.1	-	-	-	-	-	-
Personal credit institutions	614	196.8	198.4	208.7	209.6	-	150.0	151.8	160.0	160.9	-
Business credit institutions	615	36.8	36.8	37.0	37.1	-	-	-	-	-	-
Mortgage bankers and brokers	616	78.0	80.4	92.2	93.7	-	-	-	-	-	-
Security, commodity brokers, and services	62	302.0	309.0	339.2	339.9	-	-	-	-	-	-
Security brokers and dealers	621	245.6	251.2	277.0	277.0	-	-	-	-	-	-
Holding and other investment offices	67	135.1	135.9	141.7	141.9	-	-	-	-	-	-
Insurance		1,718	1,723	1,740	1,746	1,755	-	-	-	-	-
Insurance carriers	63	1,232.8	1,234.9	1,241.2	1,243.8	-	830.3	833.4	839.3	841.7	-
Life insurance	631	543.5	542.9	537.5	537.3	-	325.5	326.4	323.8	325.4	-
Medical service and health insurance	632	143.3	144.1	151.7	152.5	-	114.1	115.0	121.6	121.6	-
Fire, marine, and casualty insurance	633	472.3	472.6	470.7	471.1	-	332.1	332.1	328.6	328.9	-
Title insurance	636	40.2	41.5	45.1	46.4	-	-	-	-	-	-
Insurance agents, brokers, and service	64	485.3	487.9	499.1	501.7	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,006	1,034	1,032	1,059	1,091	-	-	-	-	-
Real estate	65	990.6	1,018.6	1,015.6	1,043.3	-	-	-	-	-	
Real estate operators and lessors	651	478.1	489.2	483.8	489.0	-	-	-	-	-	
Real estate agents and managers	653	362.4	373.9	383.6	387.9	-	-	-	-	-	
Subdividers and developers	655	128.7	132.9	121.8	139.5	-	-	-	-	-	
Combined real estate, insurance, etc	66	15.7	15.6	16.1	15.9	-	-	-	-	-	
Services		19,599	19,786	20,490	20,616	20,829	17,371	17,563	18,147	18,262	18,431
Hotels and other lodging places	70	1,167.5	1,215.2	1,211.0	1,257.8	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,131.3	1,171.5	1,178.7	1,221.2	-	1,030.2	1,067.1	1,068.1	1,108.7	
Personal services	72	941.1	943.0	1,010.9	975.2	-	-	-	-	-	
Laundry, cleaning, and garment services	721	349.0	351.3	355.1	359.6	-	309.7	312.1	316.8	321.1	
Photographic studios, portrait	722	49.0	48.3	52.6	53.0	-	-	-	-	-	
Beauty shops	723	296.6	298.3	311.1	313.0	-	274.0	275.8	284.2	285.5	
Funeral service and crematories	726	72.0	72.5	73.6	72.9	-	-	-	-	-	
Business services	73	3,455.4	3,527.1	3,880.6	3,948.9	4,001.7	2,994.8	3,062.9	3,382.1	3,444.4	
Advertising	731	166.6	169.5	175.4	175.9	-	125.8	128.6	132.8	133.4	
Advertising agencies	7311	125.3	128.0	134.1	134.9	-	-	-	-	-	
Credit reporting and collection	732	75.5	76.6	78.5	78.9	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	139.5	143.1	153.3	155.7	-	-	-	-	-	
Services to buildings	734	548.8	562.2	582.0	599.2	-	498.2	511.9	530.2	545.2	
Personnel supply services	736	602.5	622.8	794.7	819.1	-	-	-	-	-	
Employment agencies	7361	124.5	130.1	164.3	167.5	-	-	-	-	-	
Temporary help supply services	7362	447.5	460.5	595.5	616.6	-	-	-	-	-	
Computer and data processing services	737	407.3	413.3	466.7	463.8	-	340.8	346.6	393.5	387.8	
Computer programming and software	7372	132.0	134.9	152.5	150.8	-	-	-	-	-	
Data processing services	7374	213.9	215.9	245.6	243.8	-	-	-	-	-	
Miscellaneous business services	739	1,507.5	1,531.8	1,622.0	1,648.1	-	-	-	-	-	
Research development laboratories, nec	7391	170.2	172.5	176.3	177.7	-	-	-	-	-	
Management and public relations	7392	392.7	400.7	430.4	436.0	-	-	-	-	-	
Detective and protective services	7393	356.7	360.5	377.4	382.6	-	-	-	-	-	
Equipment rental and leasing	7394	129.7	131.9	139.2	143.1	-	-	-	-	-	
Photofinishing laboratories	7395	75.1	78.7	74.3	75.7	-	-	-	-	-	
Auto repair, services, and garages	75	610.9	620.9	659.0	664.2	-	513.9	522.5	557.7	561.8	
Automotive rentals, without drivers	751	121.5	124.3	131.5	132.0	-	-	-	-	-	
Automotive repair shops	753	380.4	385.6	404.4	406.8	-	314.9	320.0	337.4	339.0	
Miscellaneous repair services	76	278.5	281.3	297.3	300.1	-	229.4	232.4	247.8	250.8	
Electrical repair shops	762	86.4	86.7	85.4	86.0	-	-	-	-	-	
Motion pictures	78	213.1	226.1	213.5	215.2	-	184.4	196.5	183.9	185.0	
Motion picture production and services	781	89.2	94.0	97.8	94.3	-	74.6	78.4	81.8	77.7	
Motion picture theaters	783	113.4	121.3	105.1	110.7	-	-	-	-	-	
Amusement and recreation services	79	868.9	947.4	831.9	877.1	-	796.3	870.7	748.4	794.4	
Health services	80	5,955.9	5,987.8	6,043.6	6,051.9	6,089.6	5,341.9	5,395.8	5,413.2	5,420.6	
Offices of physicians	801	859.3	870.5	892.1	896.6	-	723.6	734.8	748.7	753.9	
Offices of dentists	802	405.2	410.7	428.8	428.9	-	357.9	363.2	380.3	379.8	
Nursing and personal care facilities	805	1,096.7	1,111.3	1,136.8	1,144.0	-	993.8	1,007.8	1,027.8	1,034.7	
Skilled nursing care facilities	8051	698.8	708.5	727.7	732.7	-	-	-	-	-	
Nursing and personal care, nec	8059	397.9	402.8	409.1	411.3	-	-	-	-	-	
Hospitals	806	3,027.3	3,048.4	3,004.6	2,997.5	-	2,777.7	2,797.1	2,745.8	2,738.7	
General medical and surgical hospitals	8062	2,864.7	2,884.3	2,838.2	2,830.4	-	-	-	-	-	
Psychiatric hospitals	8063	48.3	48.7	49.3	49.6	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	114.3	115.4	117.1	117.5	-	-	-	-	-	
Medical and dental laboratories	807	109.9	110.9	109.2	109.5	-	-	-	-	-	
Outpatient care facilities	808	171.2	174.0	186.8	188.1	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry—Continued

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Services—Continued											
Legal services	81	587.5	611.3	631.2	632.3	-	495.7	516.4	533.9	535.9	-
Educational services	82	1,255.4	1,117.2	1,303.7	1,249.1	-	-	-	-	-	-
Elementary and secondary schools	821	354.7	329.6	348.2	349.1	-	-	-	-	-	-
Colleges and universities	822	781.3	669.5	829.1	774.1	-	-	-	-	-	-
Correspondence and vocational schools	824	54.8	52.8	59.4	60.0	-	-	-	-	-	-
Social services	83	1,216.1	1,218.0	1,295.3	1,309.6 ¹	-	-	-	-	-	-
Individual and family services	832	247.9	251.4	286.0	290.5 ¹	-	-	-	-	-	-
Job training and related services	833	190.1	197.6	203.1	205.3	-	-	-	-	-	-
Residential care	836	247.3	250.3	258.9	261.1	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	37.9	40.0	38.8	43.4	-	-	-	-	-	-
Membership organizations	86	1,513.0	1,519.2	1,503.1	1,506.4	-	-	-	-	-	-
Business associations	861	83.9	84.0	86.8	86.5	-	-	-	-	-	-
Labor organizations	863	135.8	137.2	135.9	135.8	-	-	-	-	-	-
Civic and social associations	864	313.4	318.9	319.3	323.1	-	-	-	-	-	-
Miscellaneous services	89	1,048.6	1,066.0	1,116.9	1,113.5	-	859.4	875.8	919.4	917.0	-
Engineering and architectural services	891	563.8	577.0	596.3	605.3	-	466.2	479.9	499.3	508.0	-
Noncommercial research organizations	892	107.0	110.2	108.6	108.5 ¹	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	356.8	357.6	391.1	378.7	-	286.5	286.2	312.1	300.5	-
Government		16,171	15,973	16,216	16,224	15,972	-	-	-	-	-
Federal Government ⁴		2,756	2,789	2,765	2,770	2,809	-	-	-	-	-
Executive, by agency ⁴		2,700.1	2,731.4	2,709.2	-	-	-	-	-	-	-
Department of Defense		950.8	961.6	954.1	-	-	-	-	-	-	-
Postal Service		658.9 ¹	660.1	673.3	-	-	-	-	-	-	-
Other executive agencies		1,090.4	1,109.7	1,081.8	-	-	-	-	-	-	-
Legislative		39.5	41.0	38.9	-	-	-	-	-	-	-
Judicial		16.1	16.2	16.7	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		136.9	137.4	136.0	136.2	-	-	-	-	-	-
Shipbuilding and repairing	3731	84.1	84.3	82.6	82.6	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		41.6	41.4	38.0	38.7	-	-	-	-	-	-
Services		405.8	413.3	401.1	404.4	-	-	-	-	-	-
Hospitals	806	236.3	237.7	238.3	238.5	-	-	-	-	-	-
State government		3,701	3,561	3,785	3,750	3,584	-	-	-	-	-
Hospitals	806	471.9	470.9	468.3	467.8	-	-	-	-	-	-
Education	82	1,505.7	1,333.8	1,591.7	1,542.7	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,125.8	1,144.7	1,133.1	1,144.3	-	-	-	-	-	-
Local government		9,714	9,623	9,666	9,704	9,579	-	-	-	-	-
Transportation and public utilities		488.2	494.7	495.0	497.7	-	-	-	-	-	-
Hospitals	806	644.6	650.5	632.6	631.0	-	-	-	-	-	-
Education	82	5,459.9	5,187.6	5,444.8	5,436.7	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		2,819.8	2,959.5	2,809.3	2,848.7	-	-	-	-	-	-

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Beginning in January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Data for nonoffice sales agents are excluded from the nonsupervisory count for all series in this division.

⁴ Prepared by the Office of Personnel Management. Data relate to

civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

- Data not available.

^P - preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

B-3. Women employees on nonagricultural payrolls by major industry and manufacturing group

(In thousands)

Industry	Mar. 1983	Apr. 1983	Feb. 1984	Mar. 1984	Apr. 1984
Total	39,225	39,509	40,862	41,155	41,495
Total private	31,401	31,697	32,895	33,143	33,463
Goods-producing	6,283	6,332	6,741	6,791	6,835
Mining	119	118	116	116	117
Construction	374	375	398	402	408
Manufacturing	5,790	5,839	6,227	6,273	6,310
Durable goods	2,707	2,735	2,979	3,017	3,037
Lumber and wood products	90	93	102	104	106
Furniture and fixtures	130	132	144	144	145
Stone, clay, and glass products	107	109	115	116	116
Primary metal industries	95	96	103	104	105
Fabricated metal products	291	294	318	321	322
Machinery, except electrical	438	438	473	478	482
Electrical and electronic equipment	820	829	927	941	950
Transportation equipment	283	286	321	326	326
Instruments and related products	291	292	307	309	310
Miscellaneous manufacturing	163	166	172	175	177
Nondurable goods	3,083	3,104	3,248	3,256	3,273
Food and kindred products	464	468	476	473	476
Tobacco manufactures	22	22	23	22	21
Textile mill products	345	349	362	363	364
Apparel and other textile products	921	923	979	983	987
Paper and allied products	149	151	156	156	158
Printing and publishing	522	525	549	554	559
Chemicals and allied products	271	271	277	278	279
Petroleum and coal products	30	30	30	30	30
Rubber and misc. plastics products	239	245	274	277	278
Leather and leather products	121	121	123	121	122
Service-producing	32,942	33,177	34,121	34,364	34,667
Transportation and public utilities	1,327	1,333	1,368	1,372	1,379
Wholesale trade	1,414	1,421	1,508	1,521	1,525
Retail trade	7,562	7,678	7,861	7,926	8,073
Finance, insurance, and real estate	3,225	3,248	3,350	3,364	3,380
Services	11,590	11,685	12,067	12,169	12,271
Government	7,824	7,812	7,967	8,012	8,032
Federal	899	912	954	958	962
State	1,625	1,615	1,680	1,694	1,701
Local	5,301	5,285	5,333	5,360	5,369

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

B-5. Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1983										1984			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Total	39,407	39,562	39,700	39,949	39,781	40,237	40,373	40,531	40,712	40,858	41,074	41,210	41,390	
Total private	31,850	31,973	32,121	32,282	32,086	32,538	32,684	32,824	32,997	33,140	33,333	33,463	33,618	
Goods-producing	6,380	6,412	6,452	6,496	6,518	6,566	6,626	6,677	6,723	6,773	6,820	6,854	6,886	
Mining	119	117	116	116	116	116	117	116	116	117	117	117	117	
Construction	380	382	384	388	390	396	397	400	402	404	407	409	413	
Manufacturing	5,881	5,913	5,952	5,992	6,012	6,054	6,112	6,161	6,205	6,252	6,296	6,328	6,356	
Durable goods	2,740	2,759	2,781	2,806	2,820	2,851	2,887	2,920	2,947	2,973	3,003	3,031	3,043	
Lumber and wood products	94	95	97	97	98	100	101	102	103	105	105	106	107	
Furniture and fixtures	131	132	134	137	136	136	137	139	140	142	143	144	144	
Stone, clay, and glass products	110	110	111	111	112	113	114	114	115	116	117	118	117	
Primary metal industries	96	96	97	97	98	99	101	102	103	103	103	104	105	
Fabricated metal products	294	296	298	300	303	305	309	312	315	317	320	322	321	
Machinery, except electrical	438	442	444	448	452	452	456	463	466	468	473	476	481	
Electrical and electronic equipment	830	837	845	855	855	875	888	901	910	921	932	946	952	
Transportation equipment	287	290	292	296	299	303	308	310	315	319	324	327	327	
Instruments and related products	292	292	293	294	297	299	301	303	304	306	308	310	310	
Miscellaneous manufacturing	168	169	170	171	170	169	172	174	176	176	178	178	179	
Nondurable goods	3,141	3,154	3,171	3,186	3,192	3,203	3,225	3,241	3,258	3,279	3,293	3,297	3,313	
Food and kindred products	500	500	502	501	496	497	496	501	502	505	506	504	508	
Tobacco manufactures	24	24	24	23	23	23	23	22	23	23	23	23	24	
Textile mill products	349	351	354	355	357	358	361	361	363	366	366	367	365	
Apparel and other textile products	924	928	934	945	945	948	959	965	969	974	979	982	989	
Paper and allied products	151	152	153	153	154	155	156	156	157	157	158	157	158	
Printing and publishing	524	526	529	530	533	535	538	540	543	547	549	552	557	
Chemicals and allied products	272	272	272	273	274	275	275	275	276	278	279	279	281	
Petroleum and coal products	30	30	30	30	30	30	30	30	30	30	30	30	30	
Rubber and misc. plastics products	245	249	251	254	257	259	263	267	271	275	278	280	278	
Leather and leather products	122	122	122	122	123	123	124	124	124	124	125	123	123	
Service-producing	33,027	33,150	33,248	33,453	33,263	33,671	33,747	33,854	33,989	34,085	34,254	34,356	34,504	
Transportation and public utilities	1,338	1,338	1,342	1,340	1,031	1,357	1,355	1,356	1,362	1,373	1,378	1,380	1,385	
Wholesale trade	1,430	1,435	1,445	1,452	1,461	1,468	1,474	1,485	1,496	1,508	1,519	1,532	1,534	
Retail trade	7,806	7,835	7,874	7,914	7,939	7,951	7,987	8,024	8,048	8,084	8,121	8,154	8,204	
Finance, insurance, and real estate	3,254	3,261	3,269	3,284	3,297	3,309	3,318	3,327	3,340	3,358	3,367	3,374	3,387	
Services	11,642	11,692	11,739	11,796	11,840	11,887	11,924	11,955	12,028	12,044	12,128	12,169	12,222	
Government	7,557	7,589	7,579	7,667	7,695	7,699	7,689	7,707	7,715	7,718	7,741	7,747	7,772	
Federal	913	927	934	944	947	960	960	960	962	962	964	967	964	
State	1,566	1,563	1,568	1,576	1,584	1,586	1,595	1,603	1,609	1,620	1,629	1,636	1,650	
Local	5,078	5,099	5,077	5,147	5,164	5,153	5,134	5,144	5,144	5,136	5,148	5,144	5,158	

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all

seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1983							1984					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Total private	59,881	60,202	59,830	60,748	61,074	61,371	61,665	61,948	62,327	62,443	62,800	63,001	63,278
Goods-producing	16,162	16,315	16,421	16,532	16,735	16,881	16,996	17,155	17,318	17,297	17,446	17,503	17,632
Mining	665	670	673	674	685	686	690	694	696	698	707	713	715
Construction	3,003	3,033	3,069	3,099	3,122	3,147	3,161	3,227	3,296	3,211	3,296	3,329	3,403
Manufacturing	12,494	12,612	12,679	12,759	12,928	13,048	13,145	13,234	13,326	13,388	13,443	13,461	13,514
Durable goods	7,078	7,165	7,224	7,289	7,421	7,511	7,585	7,643	7,718	7,769	7,799	7,827	7,882
Lumber and wood products	548	555	564	569	578	583	587	589	592	599	599	596	593
Furniture and fixtures	353	361	361	363	368	373	376	380	384	387	387	386	388
Stone, clay, and glass products	435	437	442	445	450	453	454	455	462	463	464	465	467
Primary metal industries	617	625	629	636	651	657	665	661	666	666	668	675	679
Fabricated metal products	986	993	1,006	1,011	1,028	1,037	1,049	1,056	1,062	1,069	1,074	1,081	1,090
Machinery, except electrical	1,184	1,201	1,214	1,219	1,236	1,261	1,273	1,286	1,300	1,314	1,329	1,339	1,355
Electrical and electronic equipment	1,214	1,229	1,228	1,260	1,281	1,300	1,313	1,327	1,346	1,364	1,371	1,381	1,392
Transportation equipment	1,087	1,109	1,122	1,126	1,160	1,173	1,192	1,208	1,221	1,221	1,221	1,219	1,230
Instruments and related products	386	386	389	393	397	399	398	401	403	404	403	404	406
Miscellaneous manufacturing	268	269	269	267	272	275	278	280	282	282	283	281	282
Nondurable goods	5,416	5,447	5,455	5,470	5,507	5,537	5,560	5,591	5,608	5,619	5,644	5,634	5,632
Food and kindred products	1,122	1,123	1,117	1,118	1,119	1,124	1,126	1,134	1,133	1,133	1,143	1,141	1,138
Tobacco manufactures	52	52	50	52	51	50	50	49	49	50	50	50	50
Textile mill products	642	643	650	651	656	658	660	666	665	666	665	661	661
Apparel and other textile products	977	990	990	993	1,004	1,012	1,018	1,023	1,028	1,031	1,039	1,032	1,020
Paper and allied products	493	495	495	498	501	503	506	508	511	512	512	513	515
Printing and publishing	709	711	714	715	720	725	727	732	734	737	744	746	749
Chemicals and allied products	579	580	580	581	583	584	586	587	588	588	589	586	590
Petroleum and coal products	118	118	117	116	115	114	113	112	112	111	111	111	113
Rubber and misc. plastics products	552	562	568	571	582	591	598	604	612	616	616	621	624
Leather and leather products	172	173	174	175	176	176	176	176	176	175	175	173	172
Service-producing	43,719	43,887	43,409	44,216	44,339	44,490	44,669	44,793	45,009	45,146	45,354	45,498	45,646
Transportation and public utilities	4,121	4,119	3,481	4,154	4,158	4,151	4,161	4,189	4,198	4,207	4,228	4,232	4,250
Wholesale trade	4,207	4,219	4,242	4,258	4,274	4,292	4,316	4,349	4,375	4,395	4,406	4,422	4,432
Retail trade	13,928	13,988	14,028	14,063	14,112	14,174	14,221	14,264	14,317	14,341	14,434	14,464	14,490
Finance, insurance, and real estate	4,059	4,075	4,098	4,097	4,107	4,122	4,135	4,149	4,161	4,165	4,175	4,191	4,207
Services	17,404	17,486	17,560	17,644	17,688	17,751	17,836	17,842	17,958	18,038	18,111	18,189	18,267

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

^p = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, seasonally adjusted

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	27.6	47.6	35.7	31.1	41.1	33.5	34.6	32.4	37.3	28.9	32.4	45.7
	1983.....	54.3	46.5	60.8	68.9	69.5	64.6	74.3	68.6	69.5	75.4	69.7	73.8
	1984.....	71.1	73.2	67.0	63.8	^p 63.5	^p 63.2						
Over 3-month span	1982.....	25.1	27.8	27.8	27.3	27.6	28.6	23.5	24.1	26.5	25.9	27.8	41.6
	1983.....	46.8	57.3	64.1	75.1	75.7	77.8	74.1	81.6	80.8	78.9	79.5	77.6
	1984.....	82.2	80.5	76.5	^p 71.4	^p 67.3							
Over 6-month span	1982.....	19.2	22.2	21.9	24.6	20.3	21.4	21.4	18.6	23.2	27.3	29.5	35.4
	1983.....	50.8	63.0	69.2	75.1	80.0	82.4	84.1	82.4	84.6	85.9	86.8	83.8
	1984.....	81.9	^p 82.2	^p 79.7									
Over 12-month span	1982.....	21.6	21.4	17.6	18.1	16.2	18.1	21.1	21.1	25.1	31.6	34.1	40.3
	1983.....	49.5	54.3	61.9	71.1	77.3	79.5	83.8	88.1	86.8	87.3	^p 85.4	^p 86.5
	1984.....												

¹ Based on the number of employees, seasonally adjusted for 1, 3, and 6 month spans, on the payrolls of 185 private nonagricultural industries. Data for the 12-month span are unadjusted.

^p = preliminary.

NOTE: Figures are the percent of industries with employment

rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans. Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Alabama	1,320.9	1,345.7	1,348.6	13.4	13.9	13.9	59.3	62.6	63.2
Birmingham	336.0	341.9	342.4	7.6	7.2	7.3	19.3	19.9	20.3
Huntsville	131.5	137.1	138.0	(¹)	(¹)	(¹)	4.1	4.5	4.7
Mobile	143.9	147.5	147.6	(¹)	(¹)	(¹)	9.3	9.6	9.9
Montgomery	107.1	109.2	109.6	(¹)	(¹)	(¹)	5.8	6.4	6.6
Tuscaloosa	49.4	51.5	51.3	1.7	2.4	2.4	2.0	2.0	2.0
Alaska	214.1	211.2	219.3	8.2	8.2	8.3	20.2	17.0	19.4
Arizona	1,064.8	1,138.1	1,138.8	14.6	13.6	13.9	75.3	88.1	89.3
Phoenix	685.1	742.7	743.2	.6	.7	.7	52.2	61.4	62.3
Tucson	198.0	209.5	209.7	3.8	3.7	3.7	14.6	17.9	18.1
Arkansas	741.7	770.8	775.8	5.2	5.4	5.6	29.3	29.2	31.3
Fayetteville-Springdale	67.9	70.1	70.4	(¹)	(¹)	(¹)	2.5	2.5	2.6
Fort Smith	69.3	71.0	70.8	1.1	1.2	1.2	2.8	2.7	2.8
Little Rock-North Little Rock	182.3	186.0	186.6	(¹)	(¹)	(¹)	8.5	8.5	8.7
Pine Bluff	29.8	30.0	29.9	(¹)	(¹)	(¹)	1.3	1.1	1.0
California	9,891.2	10,241.4	10,301.3	47.1	47.1	47.7	351.4	386.0	397.6
Anaheim-Santa Ana-Garden Grove	862.3	892.0	900.0	3.6	3.4	3.5	32.9	38.0	39.3
Bakersfield	139.0	142.0	142.5	13.8	14.5	14.7	6.8	6.5	6.5
Fresno	175.6	178.5	181.0	1.0	1.2	1.3	8.4	9.2	9.4
Los Angeles-Long Beach	3,523.1	3,640.8	3,650.4	12.7	12.4	12.4	93.8	99.9	100.9
Modesto	83.0	83.8	84.3	.1	.1	.1	4.1	4.3	4.6
Oxnard-Simi Valley-Ventura	163.9	165.5	166.1	3.4	3.3	3.3	5.9	6.3	6.4
Riverside-San Bernardino-Ontario	440.2	449.0	450.4	1.2	1.2	1.2	21.6	22.2	23.3
Sacramento	412.7	425.2	427.1	.8	.8	.8	15.9	18.6	19.6
Salinas-Seaside-Monterey	89.7	92.8	93.9	.4	.4	.4	3.0	3.2	3.2
San Diego	674.0	700.5	707.1	.5	.5	.5	29.7	35.6	36.8
San Francisco-Oakland	1,557.3	1,578.0	1,585.5	4.5	4.6	4.6	61.5	61.8	63.7
San Jose	710.0	733.9	737.8	.1	.1	.1	22.4	26.5	27.3
Santa Barbara-Santa Maria-Lompoc	123.6	126.1	127.1	1.6	1.5	1.5	4.4	4.6	4.9
Santa Rosa	95.8	98.1	99.3	.6	.6	.6	4.3	4.2	4.6
Stockton	118.5	119.1	120.9	.1	.1	.1	5.8	6.1	6.2
Vallejo-Fairfield-Napa	101.8	103.9	104.6	.4	.5	.5	4.4	4.8	5.2
Colorado	1,314.7	1,353.4	1,356.8	36.6	37.2	37.4	78.9	82.5	85.2
Denver-Boulder	856.0	874.5	879.2	26.2	25.3	25.3	48.5	50.2	51.8
Connecticut	1,444.6	1,474.6	1,486.1	1.6	1.4	1.5	52.3	52.8	55.9
Bridgeport	166.6	167.3	168.5	(¹)	(¹)	(¹)	4.7	4.5	4.7
Hartford	404.0	407.0	409.6	.2	.1	.2	12.2	11.9	12.6
New Britain	59.7	59.5	59.9	(¹)	(¹)	(¹)	2.3	2.1	2.5
New Haven-West Haven	190.0	197.2	198.6	.3	.2	.3	6.2	6.2	6.4
Stamford	113.0	113.5	114.3	.8	.7	.7	4.6	4.5	4.7
Waterbury	85.7	87.5	87.9	(¹)	(¹)	(¹)	2.8	2.7	2.9
Delaware	265.4	272.0	273.1	.1	.1	.1	16.3	17.7	17.0
Wilmington	234.9	239.6	240.2	.2	.2	.2	19.3	19.5	19.0
District of Columbia	595.8	596.2	596.8	.1	.1	.1	10.1	10.4	10.5
Washington SMSA	1,640.6	1,677.1	1,687.1	1.1	1.0	1.0	73.4	81.1	83.0
Florida	3,875.4	4,129.0	4,123.1	9.8	9.9	10.0	257.7	298.9	302.3
Daytona Beach	86.2	90.8	90.9	(¹)	(¹)	(¹)	4.8	5.6	5.8
Fort Lauderdale-Hollywood	368.8	384.5	383.7	(¹)	(¹)	(¹)	25.7	28.2	28.5
Fort Myers-Cape Coral	78.2	81.7	81.6	(¹)	(¹)	(¹)	8.4	9.1	9.1
Gainesville	71.6	73.2	73.1	(¹)	(¹)	(¹)	4.4	4.3	4.6
Jacksonville	313.4	322.9	323.8	(¹)	(¹)	(¹)	19.7	20.5	20.3
Lakeland-Winter Haven	117.5	117.8	116.6	4.4	4.5	4.6	6.5	6.4	6.6
Melbourne-Titusville-Cocoa	116.0	124.5	124.6	(¹)	(¹)	(¹)	6.6	7.8	7.9
Miami	734.0	752.8	750.4	(¹)	(¹)	(¹)	36.3	40.4	40.6
Orlando	341.2	359.5	361.1	(¹)	(¹)	(¹)	22.0	24.7	25.1
Pensacola	105.1	110.3	109.7	(¹)	(¹)	(¹)	7.8	8.3	8.2
Sarasota	81.6	84.2	83.3	(¹)	(¹)	(¹)	7.3	8.4	8.3
Tallahassee	77.1	79.5	79.5	(¹)	(¹)	(¹)	3.4	4.2	4.2
Tampa-St. Petersburg	610.5	629.5	629.2	(¹)	(¹)	(¹)	41.6	44.9	45.2
West Palm Beach-Boca Raton	235.2	250.6	248.4	(¹)	(¹)	(¹)	20.0	20.3	20.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Alabama	337.8	351.1	351.4	70.1	71.4	71.7	269.3	277.5	279.0
Birmingham	49.1	50.3	50.5	28.7	29.4	29.4	79.7	80.8	81.1
Huntsville	41.7	45.8	46.1	2.8	2.7	2.7	23.0	24.0	24.1
Mobile	25.1	25.4	25.4	9.9	9.6	9.5	35.9	38.0	38.2
Montgomery	15.4	16.0	16.0	4.3	4.2	4.3	23.9	25.3	25.3
Tuscaloosa	7.7	8.0	8.2	1.7	1.6	1.6	10.1	10.5	10.4
Alaska	11.7	9.9	11.6	18.8	18.1	18.9	41.2	42.6	43.7
Arizona	153.4	165.6	166.6	56.6	58.6	58.3	256.3	271.0	270.2
Phoenix	110.2	119.9	120.2	36.0	37.8	37.9	173.2	184.8	184.4
Tucson	26.5	28.0	28.3	8.7	8.9	8.9	42.8	44.1	43.8
Arkansas	199.8	210.2	211.3	42.6	44.5	44.8	161.8	169.9	171.1
Fayetteville-Springdale	19.6	19.9	20.2	4.4	4.8	4.8	16.0	16.5	16.6
Fort Smith	22.4	23.7	23.3	3.5	3.6	3.6	14.8	15.1	15.1
Little Rock-North Little Rock	25.6	26.3	26.2	13.3	13.6	13.5	43.4	44.4	44.7
Pine Bluff	5.5	5.6	5.6	3.2	3.3	3.3	5.9	5.9	6.0
California	1,909.3	1,990.0	1,995.6	533.5	512.5	516.5	2,291.1	2,427.4	2,451.7
Anaheim-Santa Ana-Garden Grove	208.8	217.8	219.3	29.5	29.0	29.1	214.6	223.2	225.4
Bakersfield	9.6	9.3	9.3	7.8	7.8	7.9	35.3	36.2	36.4
Fresno	19.8	20.6	21.0	9.8	9.2	9.4	44.7	45.8	46.5
Los Angeles-Long Beach	846.2	877.4	876.3	193.9	189.1	189.8	793.7	835.8	843.2
Modesto	17.2	18.3	18.4	3.9	3.6	3.5	20.8	21.2	21.3
Oxnard-Simi Valley-Ventura	24.9	25.1	25.0	6.7	7.1	7.0	40.3	41.3	41.4
Riverside-San Bernardino-Ontario	57.9	57.6	57.3	25.4	25.1	25.2	110.5	115.4	116.1
Sacramento	27.5	29.3	29.7	21.4	20.3	20.5	97.0	100.1	101.3
Salinas-Seaside-Monterey	8.4	9.4	9.4	4.5	4.5	4.5	23.9	24.0	24.5
San Diego	104.5	110.3	111.2	29.8	28.8	29.1	158.1	165.2	167.5
San Francisco-Oakland	183.8	182.5	183.0	124.4	126.0	126.4	360.3	371.0	374.0
San Jose	257.5	266.9	267.9	21.3	19.7	20.0	130.5	138.7	139.8
Santa Barbara-Santa Maria-Lompoc	20.0	21.5	21.6	5.1	5.3	5.3	29.6	29.4	29.8
Santa Rosa	14.9	16.4	16.8	4.8	4.6	4.6	23.3	24.0	24.1
Stockton	18.4	19.5	20.1	7.8	7.6	7.7	27.7	27.5	27.8
Vallejo-Fairfield-Napa	9.6	9.7	9.7	4.2	4.0	4.1	22.3	23.6	23.8
Colorado	177.1	185.6	185.8	83.8	84.9	84.8	323.1	329.3	330.6
Denver-Boulder	122.0	127.5	127.5	61.7	62.4	62.4	208.7	209.9	211.4
Connecticut	402.7	414.5	415.2	62.8	63.0	63.8	309.5	313.1	316.8
Bridgeport	57.8	59.3	59.7	6.6	6.7	6.6	36.1	35.5	36.1
Hartford	86.7	87.4	88.0	14.2	14.3	14.5	84.9	84.1	85.1
New Britain	24.2	24.3	24.2	3.2	3.0	3.1	10.7	10.8	10.9
New Haven-West Haven	38.5	39.3	39.5	15.7	15.6	15.9	42.0	45.7	46.2
Stamford	31.3	31.2	31.0	4.5	4.2	4.2	24.5	25.0	25.2
Waterbury	28.9	30.2	30.0	3.3	3.4	3.4	16.5	16.7	16.9
Delaware	67.1	67.2	67.5	12.0	11.7	11.8	57.9	58.8	59.9
Wilmington	59.8	59.1	59.0	11.6	11.4	11.4	47.9	48.2	48.9
District of Columbia	14.2	14.6	14.4	25.9	25.0	25.1	59.2	58.2	58.7
Washington SMSA	63.4	69.3	69.5	75.2	77.9	78.4	311.6	319.8	322.4
Florida	459.4	495.0	497.9	232.7	230.3	230.0	1,028.8	1,117.9	1,112.8
Daytona Beach	9.3	10.6	10.6	3.3	3.2	3.2	24.2	25.5	25.2
Fort Lauderdale-Hollywood	41.4	44.0	43.9	18.7	18.4	18.6	105.8	112.2	111.9
Fort Myers-Cape Coral	4.2	4.4	4.3	4.4	4.5	4.5	23.2	24.0	23.8
Gainesville	4.5	4.9	4.9	1.6	1.6	1.6	14.9	15.0	15.0
Jacksonville	32.4	33.1	33.4	25.3	25.7	25.6	81.4	84.9	85.2
Lakeland-Winter Haven	20.0	20.1	19.8	5.4	5.4	5.5	30.7	30.3	29.8
Melbourne-Titusville-Cocoa	25.1	27.8	28.0	5.0	5.0	5.0	26.0	29.1	28.9
Miami	90.4	94.3	94.3	69.2	69.3	69.3	189.6	191.7	190.4
Orlando	40.6	42.9	43.1	16.7	16.5	16.4	94.7	98.3	99.0
Pensacola	12.4	12.9	13.0	5.9	6.3	6.1	25.2	27.3	27.3
Sarasota	6.1	6.5	6.6	3.3	3.2	3.2	24.6	25.6	24.7
Tallahassee	3.1	3.2	3.2	2.7	2.6	2.6	16.6	18.0	18.0
Tampa-St. Petersburg	78.4	81.0	81.5	34.7	33.6	33.7	164.5	169.5	168.8
West Palm Beach-Boca Raton	29.3	33.1	33.2	9.9	10.2	10.2	61.8	66.6	65.5

See footnotes at end of table

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
Alabama	59.3	60.6	61.1	218.0	220.4	220.2	293.7	288.2	288.1
Birmingham	23.4	24.1	24.2	73.2	74.4	74.5	55.0	55.8	55.1
Huntsville	3.6	3.6	3.6	20.1	20.2	20.3	36.2	36.3	36.5
Mobile	7.1	7.0	7.0	31.4	31.5	31.3	25.2	26.4	26.3
Montgomery	6.2	6.4	6.4	21.7	21.7	21.7	29.8	29.2	29.3
Tuscaloosa	1.6	1.6	1.6	6.5	6.9	6.7	18.1	18.5	18.4
Alaska	10.5	10.9	11.2	39.2	38.9	39.8	64.3	65.6	66.4
Arizona	65.3	68.6	68.9	236.2	257.0	257.0	207.1	215.6	214.6
Phoenix	51.0	53.8	54.0	158.3	175.3	175.0	103.6	109.0	108.7
Tucson	9.0	9.5	9.6	45.6	48.5	48.4	47.0	48.9	48.9
Arkansas	34.2	34.8	35.1	128.7	134.6	134.2	140.1	142.2	142.4
Fayetteville-Springdale	2.5	2.5	2.5	10.1	10.3	10.3	12.8	13.6	13.4
Fort Smith	2.6	2.6	2.6	12.6	12.5	12.5	9.5	9.6	9.7
Little Rock-North Little Rock	13.9	13.6	13.7	39.5	40.9	41.1	38.1	38.7	38.7
Pine Bluff	1.4	1.4	1.4	5.8	5.6	5.7	6.7	7.1	6.9
California	654.4	670.1	671.4	2,338.9	2,440.2	2,445.7	1,765.5	1,768.1	1,775.1
Anaheim-Santa Ana-Garden Grove	63.5	66.1	66.1	200.9	207.4	209.9	108.5	107.1	107.4
Bakersfield	5.5	5.7	5.7	26.5	27.8	27.8	33.7	34.2	34.2
Fresno	11.9	12.3	12.3	38.2	38.7	39.5	41.8	41.5	41.6
Los Angeles-Long Beach	234.5	240.6	241.6	880.1	916.3	915.0	468.2	469.3	471.2
Modesto	3.6	3.7	3.7	17.3	17.2	17.3	16.0	15.4	15.4
Oxnard-Simi Valley-Ventura	10.7	10.5	10.5	34.0	34.6	34.6	38.0	37.3	37.9
Riverside-San Bernardino-Ontario	19.5	19.7	19.7	99.3	102.2	101.5	104.8	105.6	106.1
Sacramento	23.4	23.7	23.9	81.0	84.8	84.3	145.7	147.6	147.0
Salinas-Seaside-Monterey	4.5	4.5	4.5	20.4	21.9	21.9	24.6	24.9	25.5
San Diego	45.2	46.7	46.9	163.0	169.5	170.5	143.2	143.9	144.6
San Francisco-Oakland	152.8	152.4	152.6	383.0	393.0	393.5	287.0	286.7	287.7
San Jose	29.2	29.2	29.3	170.2	175.2	176.2	78.8	77.6	77.2
Santa Barbara-Santa Maria-Lompoc	6.3	6.4	6.4	31.7	32.3	32.5	24.9	25.1	25.1
Santa Rosa	6.2	6.3	6.3	21.3	22.0	22.2	20.4	20.0	20.1
Stockton	6.0	6.1	6.2	25.0	24.5	24.7	27.7	27.7	28.1
Vallejo-Fairfield-Napa	3.7	3.7	3.7	21.4	22.2	22.2	35.8	35.4	35.4
Colorado	85.5	87.0	87.2	282.5	297.3	296.3	247.2	249.5	249.5
Denver-Boulder	61.5	62.6	62.8	189.2	196.7	198.3	138.2	139.7	139.7
Connecticut	116.9	120.6	121.0	313.7	321.8	325.2	185.1	187.4	186.7
Bridgeport	8.1	8.1	8.2	36.7	36.6	36.7	16.6	16.6	16.5
Hartford	67.2	69.5	69.5	85.3	86.3	86.5	53.3	53.4	53.2
New Britain	1.9	2.0	2.0	11.0	11.0	11.1	6.4	6.3	6.1
New Haven-West Haven	11.4	12.2	12.2	51.9	54.1	54.4	24.0	23.9	23.7
Stamford	8.7	8.8	8.8	28.4	28.7	29.3	10.2	10.4	10.4
Waterbury	3.9	4.0	4.0	18.8	19.0	19.2	11.5	11.5	11.5
Delaware	15.4	16.2	16.2	52.7	55.8	56.4	43.9	44.5	44.1
Wilmington	14.2	14.9	14.9	47.1	50.2	50.9	35.0	36.0	35.9
District of Columbia	34.3	33.9	34.0	195.6	193.5	193.0	256.4	260.5	261.0
Washington SMSA	94.0	94.5	95.2	486.9	499.7	501.4	535.0	533.8	536.2
Florida	285.3	305.6	306.6	956.5	1,020.0	1,019.2	645.2	651.4	644.3
Daytona Beach	5.2	5.5	5.6	24.0	24.2	24.2	15.4	16.2	16.3
Fort Lauderdale-Hollywood	33.0	34.1	34.2	94.5	96.7	95.5	49.7	50.9	51.1
Fort Myers-Cape Coral	6.8	6.7	6.7	18.6	19.9	20.1	12.6	13.1	13.1
Gainesville	3.2	3.0	3.0	15.0	14.5	14.6	28.0	29.9	29.4
Jacksonville	29.0	29.2	29.3	73.0	75.5	76.2	52.6	54.0	53.8
Lakeland-Winter Haven	7.4	7.3	7.3	25.4	27.7	26.9	17.7	16.1	16.1
Melbourne-Titusville-Cocoa	4.2	4.5	4.5	29.7	30.8	30.8	19.4	19.5	19.5
Miami	60.3	61.8	61.2	190.8	196.4	195.6	97.4	98.9	99.0
Orlando	22.0	22.8	23.1	99.9	105.8	106.1	45.3	48.5	48.3
Pensacola	4.2	4.3	4.3	23.8	24.4	24.5	25.8	26.8	26.3
Sarasota	7.2	7.5	7.5	22.7	22.3	22.3	10.4	10.7	10.7
Tallahassee	3.8	3.6	3.6	15.2	15.4	15.4	32.3	32.5	32.5
Tampa-St. Petersburg	45.2	47.6	48.1	160.4	167.2	166.2	85.7	85.7	85.7
West Palm Beach-Boca Raton	20.2	20.7	20.8	61.8	66.7	65.3	32.2	33.0	33.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Georgia	2,266.3	2,375.9	2,387.8	7.3	7.8	7.8	108.9	126.2	130.4
Albany	44.1	44.8	45.2	(¹)	(¹)	(¹)	1.8	1.8	1.8
Athens	54.4	56.2	56.3	(¹)	(¹)	(¹)	1.5	1.9	2.1
Atlanta	1,053.4	1,108.7	1,115.4	(¹)	(¹)	(¹)	49.1	57.1	59.1
Augusta	126.6	126.9	127.4	(¹)	(¹)	(¹)	8.4	7.4	7.3
Columbus	80.3	83.7	83.7	(¹)	(¹)	(¹)	3.9	4.8	4.7
Macon	100.7	102.9	102.7	(¹)	(¹)	(¹)	4.3	4.3	4.2
Savannah	89.4	92.6	92.0	(¹)	(¹)	(¹)	5.0	5.6	5.4
Hawaii	402.9	405.7	405.9	(²)	(²)	(²)	17.9	16.9	16.8
Honolulu	327.9	331.1	331.3	(²)	(²)	(²)	14.6	14.1	14.1
Idaho	316.6	323.4	326.5	3.9	4.2	4.3	12.6	11.8	12.7
Boise City	77.2	77.7	78.5	(³)	(³)	(³)	4.8	4.5	4.6
Illinois	4,513.3	4,533.5	4,565.8	24.1	23.9	24.2	142.9	136.0	147.2
Bloomington-Normal	48.4	51.9	49.8	(⁴)	(⁴)	(⁴)	1.1	.9	1.1
Champaign-Urbana-Rantoul	74.7	75.5	75.1	(⁴)	(⁴)	(⁴)	1.7	1.5	1.6
Chicago-Gary	3,237.9	3,236.5	3,257.1	3.2	3.6	3.7	112.7	106.3	113.9
Chicago SMSA	3,020.6	3,023.8	3,043.9	3.1	3.5	3.6	102.4	97.2	104.5
Davenport-Rock Island-Moline	147.4	148.5	149.2	(⁵)	(⁵)	(⁵)	5.7	5.3	5.8
Decatur	50.8	52.2	52.2	(⁵)	(⁵)	(⁵)	2.0	1.9	2.0
Kankakee	31.5	31.3	31.5	(⁵)	(⁵)	(⁵)	1.2	1.0	1.1
Peoria	129.8	129.6	130.6	(⁵)	(⁵)	(⁵)	6.1	6.1	6.7
Rockford	109.2	112.6	114.0	(⁵)	(⁵)	(⁵)	3.0	3.0	3.4
Springfield	86.9	86.8	87.0	(⁵)	(⁵)	(⁵)	2.7	2.5	2.7
Indiana	2,016.1	2,046.5	2,067.0	9.8	9.4	9.7	68.0	64.4	68.3
Anderson	44.9	46.4	46.3	(⁶)	(⁶)	(⁶)	1.0	1.0	1.1
Elkhart	78.9	86.1	87.6	(⁶)	(⁶)	(⁶)	1.7	1.9	2.1
Evansville	118.2	123.7	124.7	2.7	2.6	2.6	5.8	5.5	5.8
Fort Wayne	159.2	160.3	161.7	(⁶)	(⁶)	(⁶)	5.3	5.0	5.5
Gary-Hammond-East Chicago	217.3	212.7	213.2	(⁶)	(⁶)	(⁶)	10.3	9.1	9.4
Indianapolis	509.5	518.8	527.5	(⁶)	(⁶)	(⁶)	19.5	19.4	20.8
Lafayette-West Lafayette	54.8	57.9	56.8	(⁶)	(⁶)	(⁶)	1.4	1.3	1.4
Muncie	45.5	46.5	46.7	(⁶)	(⁶)	(⁶)	1.2	1.3	1.3
South Bend	107.2	111.2	112.3	(⁶)	(⁶)	(⁶)	3.6	4.0	4.2
Terre Haute	58.7	60.1	60.6	1.2	1.2	1.2	2.5	2.4	2.6
Iowa	1,029.8	1,033.7	1,041.2	1.9	1.9	2.1	35.2	34.2	39.6
Cedar Rapids	75.6	74.5	75.0	.1	.1	.1	2.4	2.3	2.4
Des Moines	172.1	172.6	174.4	(⁷)	(⁷)	(⁷)	5.6	5.6	6.3
Dubuque	37.3	38.6	39.0	(⁷)	(⁷)	(⁷)	1.0	.9	1.0
Sioux City	46.0	46.5	47.2	(⁷)	(⁷)	(⁷)	1.4	1.3	1.6
Waterloo-Cedar Falls	56.7	55.5	55.9	(⁷)	(⁷)	(⁷)	1.6	1.6	2.1
Kansas	920.1	936.8	945.9	17.0	17.0	17.3	39.5	38.0	41.6
Lawrence	27.6	27.6	27.8	(⁸)	(⁸)	(⁸)	.8	.8	.9
Topeka	82.6	84.5	84.8	.1	.2	.3	2.8	2.6	2.8
Wichita	190.6	199.1	200.9	3.3	3.0	3.1	7.9	8.6	9.1
Kentucky	1,162.6	1,175.9	1,190.2	41.8	41.8	42.5	45.5	48.2	53.5
Lexington-Fayette	148.1	148.6	148.3	(⁹)	(⁹)	(⁹)	6.5	7.5	7.7
Louisville	366.5	371.0	374.8	(⁹)	(⁹)	(⁹)	15.0	17.9	18.9
Owensboro	30.6	31.2	31.5	1.0	1.0	1.1	1.6	1.6	1.7
Louisiana	1,565.1	1,569.2	1,576.2	79.9	77.2	76.6	113.5	113.2	115.8
Alexandria	53.5	54.2	54.1	(¹⁰)	(¹⁰)	(¹⁰)	3.4	3.4	3.3
Baton Rouge	205.2	209.8	210.2	1.0	.9	.9	20.6	20.2	20.4
Lafayette	89.2	88.4	88.5	16.5	16.9	16.5	5.3	5.0	4.9
Lake Charles	62.3	59.0	58.5	2.4	2.3	2.2	6.8	4.7	4.3
Monroe	52.1	50.4	50.2	.5	.5	.5	3.0	2.5	2.6
New Orleans	504.3	508.8	511.0	18.5	18.5	18.4	30.0	33.8	33.0
Shreveport	147.0	150.1	151.5	6.1	6.3	6.5	8.7	9.2	9.8
Maine	419.5	421.7	427.6	.2	.2	.2	16.5	15.3	17.4
Lewiston-Auburn	33.6	34.0	34.2	(¹¹)	(¹¹)	(¹¹)	1.3	1.2	1.3
Portland	95.2	99.6	100.9	(¹¹)	(¹¹)	(¹¹)	4.1	4.3	4.6
Maryland	1,708.9	1,735.4	1,748.1	1.7	1.3	1.3	95.7	102.9	105.5
Baltimore SMSA	944.9	953.4	960.0	.1	.1	.1	44.9	49.6	51.2
Baltimore City	435.8	436.8	437.6	(¹²)	(¹²)	(¹²)	15.3	17.2	17.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Georgia	505.9	527.9	530.6	147.3	151.4	152.0	540.2	578.0	581.6
Albany	10.4	10.4	10.6	2.3	2.4	2.3	10.2	11.0	11.1
Athens	13.9	14.7	14.7	1.5	1.5	1.6	10.6	10.8	10.8
Atlanta	146.0	151.7	153.2	92.3	94.7	94.9	294.0	315.0	317.2
Augusta	33.0	33.3	33.1	4.2	4.3	4.4	23.9	24.2	24.5
Columbus	19.9	21.2	21.2	3.0	3.0	2.9	16.7	17.7	17.6
Macon	16.4	16.6	16.6	4.5	4.2	4.3	21.0	21.7	21.8
Savannah	15.7	16.9	16.8	9.8	9.7	9.8	21.0	21.6	21.4
Hawaii	21.9	21.4	21.5	30.8	31.0	30.8	104.3	107.6	107.4
Honolulu	16.3	15.7	15.7	25.5	25.8	25.7	84.3	87.5	87.4
Idaho	50.8	50.8	52.0	19.1	18.5	18.9	78.8	81.5	82.5
Boise City	8.8	9.1	9.1	5.3	4.9	4.9	19.5	19.1	19.3
Illinois	948.4	985.2	988.2	264.1	266.9	269.2	1,083.0	1,090.1	1,101.8
Bloomington-Normal	5.3	5.9	5.9	3.3	3.2	3.1	11.9	12.9	13.0
Champaign-Urbana-Rantoul	6.9	7.0	7.0	2.5	2.4	2.5	18.2	17.8	17.9
Chicago-Gary	706.3	713.7	713.9	190.0	190.9	192.5	782.2	781.2	787.5
Chicago SMSA	635.7	646.4	646.9	177.3	178.1	179.5	736.3	734.9	740.8
Davenport-Rock Island-Moline	36.1	36.5	36.5	6.8	6.8	6.9	38.4	38.3	38.4
Decatur	17.1	18.1	18.2	4.0	3.8	3.7	10.8	11.3	11.3
Kankakee	5.7	5.9	6.1	1.1	1.1	1.1	7.2	7.2	7.2
Peoria	36.4	36.0	36.1	6.6	6.7	6.7	30.9	30.6	30.8
Rockford	40.9	43.9	44.3	4.4	4.2	4.3	24.2	24.5	24.6
Springfield	5.4	5.8	5.7	4.3	4.1	4.1	19.1	18.8	19.0
Indiana	572.9	607.7	611.3	101.0	101.1	102.3	463.7	459.4	467.0
Anderson	17.5	19.0	18.7	1.2	1.2	1.2	9.6	9.6	9.7
Elkhart	43.1	48.5	49.1	2.5	2.6	2.6	14.4	15.5	16.0
Evansville	28.8	34.7	34.9	6.9	6.9	6.9	30.4	30.5	30.6
Fort Wayne	46.3	47.0	47.3	9.8	10.2	10.3	38.9	39.6	39.8
Gary-Hammond-East Chicago	70.6	67.3	67.0	12.7	12.8	13.0	45.9	46.3	46.7
Indianapolis	105.4	108.7	109.9	30.0	30.6	31.0	128.3	130.8	132.9
Lafayette-West Lafayette	10.2	11.1	11.2	1.7	1.7	1.7	11.0	11.6	11.6
Muncie	10.3	11.2	11.2	1.9	1.8	1.9	11.3	11.0	11.2
South Bend	27.8	29.5	29.5	4.7	4.7	4.7	26.9	27.9	28.5
Terre Haute	12.3	12.6	12.8	3.4	3.3	3.4	15.0	15.9	16.0
Iowa	200.6	207.3	207.0	50.3	49.4	49.5	261.5	260.0	261.6
Cedar Rapids	21.0	20.2	20.4	3.8	3.7	3.8	18.1	17.8	17.9
Des Moines	20.5	21.5	21.6	10.4	10.1	10.1	44.4	44.3	44.8
Dubuque	10.5	11.7	11.8	1.7	1.7	1.7	8.5	8.6	8.6
Sioux City	8.7	9.4	9.4	3.5	3.4	3.4	11.9	12.2	12.2
Waterloo-Cedar Falls	16.6	16.0	16.0	1.9	1.8	1.8	12.5	12.6	12.5
Kansas	163.7	174.5	176.1	61.3	63.3	64.0	224.0	225.5	227.3
Lawrence	4.1	4.0	4.1	1.3	1.3	1.4	5.8	6.0	5.9
Topeka	9.2	9.8	9.9	7.5	7.7	7.7	17.8	18.6	18.9
Wichita	49.5	54.4	54.7	9.8	10.2	10.3	45.2	47.1	47.9
Kentucky	240.9	252.4	254.3	62.5	62.7	62.7	263.9	266.6	271.3
Lexington-Fayette	26.2	28.6	28.7	7.5	7.3	7.3	33.4	32.3	32.4
Louisville	82.3	85.2	85.4	21.2	21.4	21.1	87.7	87.6	89.4
Owensboro	5.9	6.2	6.3	2.4	2.3	2.3	7.5	7.6	7.7
Louisiana	178.3	178.8	179.7	118.1	114.3	114.6	367.4	372.5	374.4
Alexandria	5.2	5.3	5.3	2.5	2.5	2.5	12.3	12.4	12.5
Baton Rouge	22.1	22.1	22.2	10.1	9.9	9.9	47.6	50.9	50.7
Lafayette	3.7	3.8	3.8	6.9	6.7	6.8	23.6	23.4	23.8
Lake Charles	9.8	9.2	9.2	4.3	4.5	4.6	14.5	14.0	13.9
Monroe	7.1	7.0	7.0	2.7	2.7	2.6	14.0	14.3	14.1
New Orleans	40.9	39.0	39.5	47.2	46.9	46.4	128.2	129.9	130.8
Shreveport	22.4	25.7	25.6	9.3	9.2	9.1	33.9	33.9	34.0
Maine	107.4	108.0	108.4	18.1	17.6	17.7	92.6	94.5	97.9
Lewiston-Auburn	11.1	11.5	11.5	1.3	1.2	1.2	7.8	7.9	8.0
Portland	15.9	16.8	17.2	5.5	5.4	5.4	26.1	27.2	27.8
Maryland	211.1	214.2	214.4	87.0	88.2	89.0	420.1	427.0	433.0
Baltimore SMSA	140.5	141.2	140.6	57.9	57.8	58.5	222.7	223.9	227.6
Baltimore City	56.0	53.1	52.5	35.2	34.7	34.9	95.2	94.7	95.7

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Georgia	120.8	125.4	126.1	392.7	418.3	419.4	443.3	440.9	439.8
Albany	2.1	2.1	2.1	6.3	6.2	6.2	10.9	10.9	11.2
Athens	1.7	1.7	1.7	7.1	7.4	7.4	18.0	18.1	18.1
Atlanta	75.1	76.4	76.4	230.0	247.0	249.0	166.8	166.8	165.7
Augusta	4.6	4.8	4.7	19.8	19.8	20.1	32.7	33.2	33.2
Columbus	5.4	5.6	5.6	12.0	11.8	12.0	19.4	19.5	19.6
Macon	6.3	6.4	6.4	18.1	18.5	18.4	30.1	31.1	31.0
Savannah	4.1	4.5	4.3	17.2	17.9	17.9	16.6	16.4	16.4
Hawaii	31.8	30.8	30.8	103.4	105.5	105.9	92.8	92.5	92.7
Honolulu	27.5	26.7	26.6	80.8	82.7	83.1	78.9	78.6	78.7
Idaho	23.0	23.3	23.3	58.7	63.1	62.2	69.7	70.2	70.6
Boise City	7.7	8.1	8.1	15.4	16.0	16.2	15.7	16.0	16.3
Illinois	321.4	316.8	318.2	1,016.1	1,008.6	1,014.6	713.3	706.0	702.4
Bloomington-Normal	8.6	8.7	8.7	9.1	9.0	8.9	9.1	11.3	9.1
Champaign-Urbana-Rantoul	2.4	2.4	2.4	11.8	12.1	12.2	31.2	32.3	31.5
Chicago-Gary	247.9	246.7	247.1	780.2	781.7	786.6	415.4	412.5	412.0
Chicago SMSA	239.3	238.1	238.8	741.8	743.4	748.1	384.7	382.2	381.7
Davenport-Rock Island-Moline	7.2	7.2	7.2	26.4	26.5	26.5	26.8	27.9	27.9
Decatur	2.7	2.8	2.8	8.9	9.0	9.0	5.3	5.3	5.2
Kankakee	1.5	1.5	1.5	7.3	7.0	6.9	7.5	7.6	7.6
Peoria	6.5	6.5	6.5	27.2	27.5	27.6	16.1	16.2	16.2
Rockford	4.3	4.1	4.2	19.8	20.5	20.6	12.6	12.4	12.6
Springfield	7.5	7.4	7.5	18.5	18.6	18.5	29.4	29.6	29.5
Indiana	100.6	100.2	101.3	365.6	367.9	372.3	334.3	336.3	334.9
Anderson	1.6	1.6	1.6	8.3	8.3	8.3	5.7	5.7	5.7
Elkhart	2.1	2.1	2.1	10.0	10.4	10.6	5.1	5.1	5.1
Evansville	4.4	4.5	4.6	26.9	26.8	26.9	12.3	12.2	12.4
Fort Wayne	10.6	10.5	10.7	30.2	30.4	30.5	18.0	17.5	17.5
Gary-Hammond-East Chicago	8.6	8.6	8.3	38.4	38.3	38.5	30.7	30.3	30.3
Indianapolis	38.8	39.5	40.1	103.3	106.6	109.2	83.3	83.2	83.6
Lafayette-West Lafayette	2.5	2.5	2.5	9.5	9.6	9.6	18.4	20.1	18.8
Muncie	1.5	1.5	1.5	8.4	8.6	8.7	10.9	11.1	10.9
South Bend	5.2	5.3	5.3	26.7	27.5	27.7	12.3	12.3	12.4
Terre Haute	2.0	2.1	2.1	10.5	10.6	10.8	11.8	12.0	11.7
Iowa	59.3	60.5	60.9	211.3	210.5	209.7	209.6	209.9	210.9
Cedar Rapids	4.4	4.4	4.4	15.8	15.8	15.8	9.9	10.1	10.2
Des Moines	21.8	22.4	22.4	41.6	41.0	41.3	27.7	27.6	27.9
Dubuque	1.3	1.3	1.3	10.5	10.7	10.8	3.8	3.7	3.7
Sioux City	2.5	2.5	2.5	11.9	11.8	11.9	6.0	6.0	6.1
Waterloo-Cedar Falls	2.2	2.2	2.2	11.0	10.6	10.5	10.8	10.7	10.7
Kansas	49.4	49.4	49.6	174.4	175.4	175.9	190.8	193.6	194.2
Lawrence .....	.8	.9	.9	4.0	4.0	4.1	10.7	10.6	10.5
Topeka	5.8	5.9	5.9	18.0	17.7	17.7	21.4	21.9	21.7
Wichita	9.8	9.8	9.8	40.1	40.1	40.1	25.0	25.8	25.9
Kentucky	53.2	52.9	53.8	227.1	229.6	229.9	227.7	221.7	222.2
Lexington-Fayette	7.4	7.3	7.4	34.1	35.0	33.3	33.0	30.6	31.5
Louisville	23.9	24.7	25.1	81.6	81.0	81.7	54.8	53.3	52.9
Owensboro	1.2	1.2	1.2	6.4	6.5	6.4	4.6	4.8	4.8
Louisiana	82.7	83.4	83.5	306.2	310.7	312.5	319.0	319.1	319.1
Alexandria	2.8	2.9	2.9	11.6	11.8	11.8	15.7	15.9	15.8
Baton Rouge	12.3	12.4	12.5	38.3	39.4	39.6	53.2	54.0	54.0
Lafayette	3.8	3.8	3.8	18.4	18.4	18.5	11.0	10.4	10.4
Lake Charles	2.9	3.0	3.0	10.9	10.9	10.8	10.7	10.4	10.5
Monroe	4.0	4.1	4.1	10.1	10.3	10.3	10.7	9.0	9.0
New Orleans	32.0	31.5	31.5	123.1	124.9	127.1	84.4	84.3	84.3
Shreveport	8.1	8.0	8.1	32.0	31.6	32.3	26.5	26.2	26.2
Maine	18.0	18.5	18.7	82.5	83.2	85.2	84.2	84.4	82.1
Lewiston-Auburn	1.6	1.7	1.7	7.2	7.4	7.3	3.3	3.1	3.2
Portland	8.3	8.7	8.8	22.1	22.8	25.7	13.2	14.4	13.4
Maryland	96.9	97.0	97.7	400.2	408.6	410.7	396.2	396.2	396.5
Baltimore SMSA	59.3	59.2	59.5	214.3	217.2	217.6	205.2	204.4	204.9
Baltimore City	39.8	39.4	39.6	114.5	117.4	117.1	79.8	80.3	80.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Massachusetts	2,684.9	2,715.8	2,741.1	1.1	1.1	1.1	80.6	81.5	86.9
Boston	1,507.4	1,529.3	1,540.3	.4	.4	.5	43.4	41.1	43.7
Brockton	57.8	58.5	59.0	(¹)	(¹)	(¹)	2.1	2.3	2.5
Fall River	55.0	55.7	55.9	(¹)	(¹)	(¹)	1.9	1.7	2.0
Fitchburg-Leominster	40.5	42.0	42.7	(¹)	(¹)	(¹)	1.4	1.3	1.4
Lawrence-Haverhill	114.9	114.2	115.7	(¹)	(¹)	(¹)	3.1	3.1	3.4
Lowell	85.2	89.5	90.2	(¹)	(¹)	(¹)	2.5	2.0	2.2
New Bedford	65.0	66.1	67.9	(¹)	(¹)	(¹)	1.9	2.3	2.5
Pittsfield	51.2	51.4	52.4	.1	(¹)	(¹)	1.5	1.6	1.8
Springfield-Chicopee-Holyoke	232.6	231.7	233.3	.2	.1	.1	5.9	5.3	5.9
Worcester	158.1	157.6	158.5	.6	.5	.6	4.2	3.4	3.7
Michigan	3,181.9	3,263.8	3,296.9	8.8	9.1	9.2	85.0	90.7	98.3
Ann Arbor	129.7	141.5	137.5	(¹)	(¹)	(¹)	3.7	3.8	4.0
Battle Creek	58.4	59.2	60.4	(¹)	(¹)	(¹)	1.9	1.4	1.6
Bay City	31.6	31.9	32.4	(¹)	(¹)	(¹)	.8	.6	.8
Benton Harbor	55.3	56.7	57.4	(¹)	(¹)	(¹)	2.2	2.3	2.4
Detroit	1,536.5	1,581.5	1,591.2	.8	.8	.8	36.0	38.3	41.5
Flint	176.8	184.1	185.9	(¹)	(¹)	(¹)	3.3	3.5	3.8
Grand Rapids	264.2	268.5	272.9	(¹)	(¹)	(¹)	9.3	8.8	9.7
Jackson	45.9	46.8	47.3	(¹)	(¹)	(¹)	.9	1.0	1.2
Kalamazoo-Portage	104.1	107.5	106.4	(¹)	(¹)	(¹)	3.5	3.2	3.6
Lansing-East Lansing	189.3	188.1	192.0	(¹)	(¹)	(¹)	3.5	5.3	6.0
Muskegon-Norton Shores-Muskegon Heights	54.1	56.1	57.2	(¹)	(¹)	(¹)	2.0	2.0	2.1
Saginaw	77.5	80.1	80.6	(¹)	(¹)	(¹)	1.8	1.9	2.1
Minnesota	1,719.6	1,779.3	1,814.4	9.5	10.2	10.7	59.6	59.3	69.2
Duluth-Superior	52.2	51.7	52.9	(¹)	(¹)	(¹)	1.2	1.1	1.2
Minneapolis-St. Paul	1,074.1	1,122.2	1,136.3	(¹)	(¹)	(¹)	35.9	35.9	39.8
Rochester	51.0	51.2	51.6	(¹)	(¹)	(¹)	1.6	1.4	1.6
St. Cloud	56.1	57.5	58.3	(¹)	(¹)	(¹)	2.3	2.5	2.9
Mississippi	790.4	805.4	805.6	8.7	9.0	9.0	36.7	32.5	32.8
Jackson	144.5	148.4	148.8	1.6	1.7	1.7	5.8	6.6	6.7
Missouri	1,927.1	1,948.6	1,963.2	6.6	5.9	6.0	75.2	73.2	76.7
Kansas City	611.4	622.9	627.5	.5	.5	.6	20.5	22.6	24.1
St. Joseph	36.7	36.6	36.7	(¹)	(¹)	(¹)	1.3	1.5	1.5
St. Louis	988.1	1,005.9	1,014.9	3.3	3.4	3.5	42.4	44.8	47.7
Springfield	88.8	91.6	91.0	.1	.1	.1	3.0	3.2	3.3
Montana	269.8	269.9	272.1	6.8	6.3	6.1	12.3	11.3	11.9
Nebraska	611.3	617.7	627.7	1.9	1.5	1.6	22.4	18.8	21.0
Lincoln	95.8	96.9	97.8	(¹)	(¹)	(¹)	2.9	2.8	3.0
Omaha	262.4	268.1	271.4	.1	.1	.2	9.5	8.4	9.4
Nevada	401.7	412.2	417.5	5.7	6.3	6.4	19.1	20.7	21.2
Las Vegas	227.1	230.1	234.0	.3	.3	.3	11.8	13.2	13.3
Reno	110.9	115.5	116.2	.6	.7	.7	4.8	5.1	5.2
New Hampshire	405.0	417.5	417.6	.4	.4	.4	24.5	21.3	18.1
Manchester	78.5	81.3	82.1	(¹)	(¹)	(¹)	3.3	3.6	3.9
Nashua	71.3	75.1	75.7	.1	.1	.1	2.9	2.8	3.0
New Jersey	3,137.7	3,230.3	3,260.0	2.0	2.0	2.1	110.1	122.4	130.0
Atlantic City	104.8	107.0	108.9	(¹)	(¹)	(¹)	4.4	5.2	5.6
Camden	357.0	362.8	364.7	.1	.1	.1	12.6	13.3	13.9
Hackensack	409.7	417.7	420.5	(¹)	(¹)	(¹)	14.1	14.7	15.6
Jersey City	216.9	218.9	220.5	(¹)	(¹)	(¹)	4.5	5.2	5.2
Long Branch-Asbury Park	172.2	176.5	180.0	(¹)	(¹)	(¹)	7.0	8.1	8.5
New Brunswick-Perth Amboy-Sayreville	294.9	301.8	301.9	(¹)	(¹)	(¹)	9.1	10.2	10.6
Newark	951.4	978.2	981.5	.6	.5	.6	30.8	30.8	31.9
Paterson-Clifton-Passaic	188.8	191.8	193.0	(¹)	(¹)	(¹)	6.4	7.1	7.5
Trenton	166.1	170.1	170.5	(¹)	(¹)	(¹)	3.0	3.0	3.4
Vineland-Millville-Bridgeton	51.1	52.0	51.9	(¹)	(¹)	(¹)	1.6	1.8	1.9
New Mexico	478.0	493.5	497.1	20.6	21.6	21.8	33.4	34.9	36.5
Albuquerque	198.0	206.9	208.6	(¹)	(¹)	(¹)	13.5	14.3	14.9
Las Cruces	33.2	35.4	35.4	(¹)	(¹)	(¹)	2.3	2.5	2.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a
Massachusetts	620.6	636.9	638.4	120.3	121.9	122.6	600.4	614.9	626.0
Boston	281.5	289.1	290.6	72.1	72.4	72.8	332.9	336.8	339.8
Brockton	11.0	10.8	10.7	3.7	4.1	4.2	15.9	16.8	16.9
Fall River	19.6	19.7	19.4	1.7	2.0	1.9	12.2	12.7	12.9
Fitchburg-Leominster	15.9	16.3	16.5	1.6	1.6	1.6	8.4	9.5	9.5
Lawrence-Haverhill	41.5	42.3	42.6	4.9	4.6	4.7	23.2	22.5	22.8
Lowell	33.5	36.9	37.1	3.0	3.0	3.0	17.7	17.8	18.1
New Bedford	24.2	24.9	26.1	2.3	2.4	2.3	13.6	13.0	13.3
Pittsfield	15.5	15.6	15.8	1.4	1.2	1.3	11.8	12.3	12.6
Springfield-Chicopee-Holyoke	54.5	55.3	55.4	9.2	9.4	9.4	49.9	49.5	50.1
Worcester	40.0	39.9	39.7	7.2	6.7	6.7	36.9	37.4	38.0
Michigan	869.9	928.8	935.8	138.8	137.7	139.0	688.3	701.3	713.0
Ann Arbor	30.5	35.2	35.5	3.0	3.1	3.2	20.6	20.6	20.5
Battle Creek	16.9	17.3	17.7	2.0	1.9	2.0	9.5	10.3	10.5
Bay City	7.7	8.1	8.2	1.6	1.5	1.4	8.6	8.3	8.5
Benton Harbor	18.2	19.0	18.3	2.2	2.3	2.3	10.6	10.7	11.0
Detroit	414.5	440.3	440.6	72.0	71.0	71.5	349.9	363.3	368.0
Flint	65.7	69.7	70.5	5.4	4.9	5.0	40.1	42.0	42.7
Grand Rapids	84.8	91.2	92.4	10.5	10.6	10.6	65.1	64.6	65.6
Jackson	11.2	11.7	11.8	5.0	4.9	4.9	9.4	9.6	9.5
Kalamazoo-Portage	30.5	32.0	32.1	3.9	3.5	3.6	22.2	22.5	23.0
Lansing-East Lansing	38.7	33.4	34.2	5.6	5.1	5.1	34.9	36.2	37.0
Muskegon-Norton Shores-Muskegon Heights	16.8	18.9	19.2	2.8	2.8	2.8	11.1	11.2	11.4
Saginaw	24.5	26.7	26.7	4.5	4.6	4.6	17.3	16.7	17.0
Minnesota	341.0	357.7	363.4	93.8	95.3	96.7	428.5	442.2	452.7
Duluth-Superior	4.6	3.9	4.5	5.2	4.8	5.0	14.2	14.2	14.4
Minneapolis-St. Paul	230.9	245.1	247.8	61.6	65.5	66.0	261.4	269.3	273.8
Rochester	10.0	10.4	10.4	1.9	2.1	2.0	10.4	10.1	10.2
St. Cloud	10.5	10.8	10.7	3.5	3.4	3.4	15.8	16.5	16.6
Mississippi	201.8	211.8	210.9	38.3	38.3	38.5	163.7	167.9	169.2
Jackson	16.0	16.2	16.3	9.8	9.9	9.9	35.3	36.4	36.5
Missouri	396.3	417.8	419.1	132.3	135.3	135.6	458.6	456.8	462.0
Kansas City	108.7	115.2	115.5	50.3	49.7	50.1	157.2	158.8	159.8
St. Joseph	8.7	8.7	8.7	2.1	2.0	2.0	8.8	8.6	8.6
St. Louis	210.6	221.1	221.3	70.8	71.3	72.0	229.9	231.8	234.5
Springfield	18.0	19.1	19.3	6.0	6.0	5.9	24.8	25.2	25.7
Montana	20.3	20.4	20.7	20.1	20.2	20.2	70.6	69.9	69.7
Nebraska	83.8	89.2	90.0	43.3	41.8	42.1	157.8	158.3	160.1
Lincoln	11.2	11.9	12.0	6.3	6.4	6.4	21.1	20.8	21.1
Omaha	32.8	36.2	36.4	22.1	21.8	21.9	66.9	67.0	67.4
Nevada	19.1	20.1	20.1	24.4	24.6	24.8	79.5	82.1	82.5
Las Vegas	7.1	7.8	7.8	13.8	13.8	14.1	45.9	46.7	47.0
Reno	7.4	7.8	7.8	8.0	8.0	8.0	23.7	25.4	25.5
New Hampshire	112.3	119.8	120.2	15.2	15.4	15.5	92.3	96.4	97.7
Manchester	16.5	17.2	17.2	5.0	5.1	5.2	20.8	21.6	21.9
Nashua	32.8	35.3	35.6	2.0	2.0	2.0	13.9	14.5	14.7
New Jersey	706.4	728.1	730.5	202.0	207.5	208.7	724.7	753.0	765.0
Atlantic City	7.8	7.6	7.5	4.6	4.7	4.7	19.7	19.6	20.6
Camden	69.3	71.0	71.5	16.1	16.5	16.2	94.1	96.4	97.9
Hackensack	101.4	101.9	102.3	21.3	21.6	21.7	124.5	128.2	129.3
Jersey City	57.4	58.3	59.5	26.1	26.1	26.1	46.2	46.8	46.9
Long Branch-Asbury Park	23.1	23.1	23.0	6.8	7.0	7.0	44.2	45.2	46.8
New Brunswick-Perth Amboy-Sayreville	80.9	82.7	82.7	23.8	23.6	23.7	70.7	71.6	72.5
Newark	219.3	224.0	222.9	78.0	80.5	80.4	192.3	202.1	204.3
Paterson-Clifton-Passaic	63.6	64.7	65.3	7.2	6.7	6.7	41.2	41.4	41.4
Trenton	31.1	31.3	31.1	5.4	5.0	5.1	26.4	28.3	28.4
Vineland-Millville-Bridgeton	15.3	15.4	14.9	2.5	2.7	2.7	9.3	9.5	9.6
New Mexico	34.3	34.8	35.6	29.7	29.4	29.3	109.7	114.0	116.0
Albuquerque	18.4	19.3	19.4	12.1	11.8	11.8	49.3	51.0	52.0
Las Cruces	3.3	3.3	3.3	1.3	1.3	1.3	6.1	7.0	6.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a
Massachusetts	170.0	171.3	172.8	715.4	718.1	722.7	376.5	370.1	370.6
Boston	118.8	120.7	121.2	472.1	483.5	486.0	186.2	185.3	185.7
Brockton	2.2	2.1	2.1	11.4	11.4	11.5	11.5	11.0	11.1
Fall River	2.8	2.9	2.9	10.0	10.1	10.2	6.8	6.6	6.6
Fitchburg-Leominster	1.2	1.2	1.2	6.7	6.4	6.7	5.3	5.7	5.8
Lawrence-Haverhill	4.3	4.4	4.4	20.9	20.6	20.9	17.0	16.7	16.9
Lowell	2.4	2.5	2.5	14.2	15.0	15.2	11.9	12.3	12.1
New Bedford	2.2	2.2	2.2	11.2	11.3	11.5	9.6	10.0	10.0
Pittsfield	2.3	2.3	2.3	11.6	11.5	11.6	7.0	6.8	6.9
Springfield-Chicopee-Holyoke	14.2	13.7	13.8	51.5	50.9	51.1	47.2	47.5	47.5
Worcester	9.7	9.5	9.6	35.7	37.1	37.1	23.8	23.1	23.1
Michigan	151.0	154.1	155.9	653.3	661.6	667.5	586.9	580.7	578.2
Ann Arbor	4.1	4.4	4.5	24.8	25.8	26.0	43.0	48.6	43.8
Battle Creek	4.0	4.0	4.0	11.7	12.0	12.1	12.4	12.5	12.6
Bay City	1.3	1.4	1.5	6.2	6.6	6.7	5.3	5.4	5.3
Benton Harbor	1.9	1.9	2.0	12.0	12.3	12.5	8.1	8.2	8.4
Detroit	87.5	88.2	89.0	355.4	362.2	362.2	220.4	217.4	217.7
Flint	5.9	5.9	5.9	28.9	29.8	29.7	27.6	28.4	28.3
Grand Rapids	10.8	11.0	11.1	54.1	54.1	54.5	29.6	28.1	29.1
Jackson	1.6	1.6	1.6	9.5	9.5	9.7	8.2	8.3	8.5
Kalamazoo-Portage	4.0	4.1	4.1	21.5	22.1	22.0	18.5	20.0	18.0
Lansing-East Lansing	9.7	9.6	9.7	29.9	31.6	31.7	67.2	66.8	68.3
Muskegon-Norton Shores-Muskegon Heights	1.4	1.4	1.5	10.2	10.1	10.3	9.8	9.7	9.8
Saginaw	3.8	3.6	3.6	14.3	14.6	15.0	11.2	11.9	11.7
Minnesota	100.6	104.4	105.3	391.8	409.5	414.7	295.0	300.7	301.8
Duluth-Superior	2.0	2.2	2.2	13.5	14.0	14.0	11.6	11.6	11.6
Minneapolis-St. Paul	74.9	77.7	78.1	255.4	271.7	273.3	154.2	156.9	157.5
Rochester	1.6	1.6	1.6	20.4	20.4	20.5	5.2	5.3	5.3
St. Cloud	2.0	2.1	2.1	10.5	11.1	11.3	11.5	11.2	11.2
Mississippi	33.6	34.3	34.4	125.5	127.9	128.2	182.1	183.6	182.6
Jackson	11.5	11.7	11.8	30.2	31.2	31.3	34.3	34.8	34.8
Missouri	110.7	109.5	109.7	414.2	413.5	416.0	333.2	336.6	338.1
Kansas City	46.6	48.1	48.4	136.1	137.7	138.5	91.5	90.3	90.5
St. Joseph	2.0	2.0	2.0	7.8	7.6	7.7	6.0	6.2	6.2
St. Louis	60.0	59.6	59.6	232.0	235.4	236.9	139.1	138.5	139.4
Springfield	3.8	3.8	3.8	20.7	22.3	20.9	12.4	11.9	12.0
Montana	13.0	12.9	13.0	56.5	58.4	58.7	70.3	70.5	71.7
Nebraska	41.6	42.3	42.6	127.0	128.2	130.3	133.6	137.6	140.1
Lincoln	7.0	7.2	7.3	18.4	19.3	19.5	28.9	28.4	28.6
Omaha	24.1	24.7	24.8	64.9	65.7	66.7	41.9	44.2	44.7
Nevada	18.4	19.3	19.2	176.4	179.4	183.0	59.1	59.7	60.3
Las Vegas	10.5	11.1	11.1	109.9	108.6	111.6	27.8	28.6	28.8
Reno	6.2	6.2	6.1	43.3	45.5	45.9	16.9	16.8	17.0
New Hampshire	21.3	22.3	22.5	81.9	86.1	87.4	57.1	55.8	55.8
Manchester	6.2	6.4	6.4	18.2	18.9	18.9	8.5	8.5	8.6
Nashua	2.2	2.4	2.4	11.9	12.6	12.5	5.5	5.4	5.4
New Jersey	171.5	175.5	176.4	693.9	704.9	711.5	527.2	536.9	535.8
Atlantic City	4.9	5.0	4.9	46.8	47.9	48.5	16.5	17.0	17.1
Camden	18.0	18.5	18.4	77.5	75.8	76.0	69.3	71.2	70.7
Hackensack	19.9	20.6	20.8	84.1	86.7	87.0	44.4	44.0	43.8
Jersey City	8.3	8.7	8.7	34.7	33.6	33.7	39.6	40.2	40.4
Long Branch-Asbury Park	8.1	8.4	8.4	46.4	47.0	48.5	36.5	37.7	37.8
New Brunswick-Perth Amboy-Sayreville	13.8	14.4	14.5	48.4	49.8	49.4	48.3	49.5	48.5
Newark	68.6	68.9	68.8	219.5	226.1	227.2	142.3	145.3	145.4
Paterson-Clifton-Passaic	9.4	9.2	9.2	35.9	36.9	37.2	25.1	25.8	25.7
Trenton	7.9	7.8	7.9	44.5	47.0	47.1	47.8	47.7	47.5
Vineland-Millville-Bridgeton	2.7	2.7	2.7	9.1	9.3	9.3	10.6	10.6	10.8
New Mexico	23.1	23.9	24.2	98.6	102.7	103.6	128.6	132.2	130.1
Albuquerque	11.7	12.2	12.3	49.8	53.0	52.9	43.2	45.3	45.3
Las Cruces	1.3	1.4	1.4	4.2	4.7	4.6	14.7	15.2	15.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
New York	7,295.4	7,417.3	7,476.8	7.0	7.2	7.6	228.2	225.7	241.4
Albany-Schenectady-Troy	341.3	346.5	349.2	(¹)	(¹)	(¹)	10.7	11.0	12.2
Binghamton	117.1	118.7	120.0	(¹)	(¹)	(¹)	3.9	4.0	4.6
Buffalo	463.9	463.2	468.3	(¹)	(¹)	(¹)	14.6	12.8	14.4
Elmira	33.4	34.2	34.3	(¹)	(¹)	(¹)	.9	.8	1.0
Glens Falls	38.6	38.1	39.1	(¹)	(¹)	(¹)	1.0	.9	1.0
Monroe County	340.9	342.2	344.8	(¹)	(¹)	(¹)	9.3	9.4	10.1
Nassau-Suffolk	980.2	1,002.3	1,015.7	(¹)	(¹)	(¹)	41.2	42.9	44.7
Newburgh-Middletown	82.5	83.1	83.5	(¹)	(¹)	(¹)	2.4	2.6	2.9
New York-Northeastern New Jersey	6,850.9	6,988.3	(²)	2.3	2.3	(²)	215.2	220.2	(²)
New York and Nassau-Suffolk	4,789.2	4,881.8	4,909.1	2.2	2.3	2.3	150.3	152.0	157.0
New York SMSA	3,809.0	3,879.4	3,893.3	2.0	2.1	2.1	109.1	109.1	112.3
New York City	3,346.9	3,415.2	3,424.2	1.7	1.8	1.8	88.2	88.7	90.8
Poughkeepsie	105.6	108.1	108.9	(¹)	(¹)	(¹)	3.6	4.0	4.2
Rochester	417.6	421.7	424.7	(¹)	(¹)	(¹)	11.5	11.6	12.5
Rockland County	86.4	86.6	87.8	(¹)	(¹)	(¹)	2.9	2.9	3.1
Syracuse	261.8	268.2	267.8	(¹)	(¹)	(¹)	13.2	13.1	13.6
Utica-Rome	112.0	113.0	114.8	(¹)	(¹)	(¹)	2.7	2.7	3.4
Westchester County	362.6	364.4	368.2	(¹)	(¹)	(¹)	17.3	16.9	17.7
North Carolina	2,391.4	2,476.4	2,485.2	4.4	4.5	4.5	110.3	118.9	121.2
Asheville	71.2	70.8	71.1	(¹)	(¹)	(¹)	2.6	2.7	2.7
Charlotte-Gastonia	344.4	354.2	355.5	(¹)	(¹)	(¹)	17.2	18.3	18.5
Greensboro-Winston-Salem-High Point	389.3	401.8	402.8	(¹)	(¹)	(¹)	16.8	18.5	18.9
Raleigh-Durham	290.4	303.6	300.4	(¹)	(¹)	(¹)	16.4	16.5	17.0
North Dakota	251.4	248.5	253.0	6.5	7.4	7.7	17.8	13.1	15.1
Fargo-Moorhead	62.6	63.3	64.1	(¹)	(¹)	(¹)	2.6	2.2	2.7
Ohio	4,088.7	4,162.8	4,197.9	25.6	27.4	27.8	126.4	123.6	131.8
Akron	246.0	249.7	253.1	(¹)	(¹)	(¹)	6.6	6.4	7.0
Canton	143.8	146.8	147.7	(¹)	(¹)	(¹)	4.0	4.3	4.7
Cincinnati	575.3	584.2	589.5	(¹)	(¹)	(¹)	19.7	19.6	20.6
Cleveland	825.5	825.8	829.9	(¹)	(¹)	(¹)	24.5	23.6	25.1
Columbus	499.7	514.0	516.7	(¹)	(¹)	(¹)	15.0	15.0	15.9
Dayton	334.8	343.8	344.5	(¹)	(¹)	(¹)	8.9	8.6	9.1
Toledo	281.8	291.5	294.5	(¹)	(¹)	(¹)	9.9	9.1	9.8
Youngstown-Warren	178.7	181.0	182.4	(¹)	(¹)	(¹)	4.8	4.7	5.0
Oklahoma	1,170.2	1,176.8	1,183.8	76.4	72.5	73.0	51.4	46.8	47.1
Enid	26.6	26.4	26.1	2.2	2.2	2.1	1.3	1.3	1.2
Lawton	32.6	32.2	33.0	(¹)	(¹)	(¹)	1.4	1.2	1.3
Oklahoma City	423.2	434.6	435.6	22.6	23.8	23.7	19.0	18.5	18.4
Tulsa	302.3	305.7	307.7	22.8	22.8	22.9	14.5	14.5	14.9
Oregon	963.6	985.7	993.1	1.6	1.8	2.0	25.3	23.9	25.3
Eugene-Springfield	91.0	93.5	94.4	.2	.2	.2	2.4	2.2	2.5
Medford	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	519.3	528.9	530.7	.6	.6	.7	15.6	15.0	15.5
Salem	80.6	81.7	82.5	.1	(¹)	(¹)	2.3	2.1	2.3
Pennsylvania	4,531.7	4,587.2	4,634.2	38.7	39.6	39.5	165.3	161.1	171.0
Allentown-Bethlehem-Easton	248.5	252.3	254.7	.6	.6	.6	7.8	7.4	7.5
Altoona	45.8	46.1	46.5	.1	.1	.2	1.7	1.4	1.6
Delaware Valley	1,561.9	1,598.4	1,603.9	1.0	1.1	1.1	56.5	60.8	60.6
Erie	103.8	106.1	106.6	.2	.3	.3	2.6	2.7	2.7
Harrisburg	222.9	227.2	229.7	.1	.1	.1	7.4	7.0	7.4
Johnstown	72.7	74.2	75.2	5.5	6.1	6.2	2.0	1.8	2.1
Lancaster	152.6	156.8	156.9	.4	.4	.4	6.1	6.3	6.4
Northeast Pennsylvania	234.1	233.7	236.1	.8	.7	.7	10.7	6.8	7.5
Philadelphia SMSA	1,919.5	1,961.2	1,968.9	1.1	1.2	1.2	69.0	74.1	74.5
Philadelphia City	746.4	757.3	757.6	(¹)	(¹)	(¹)	16.6	17.7	17.7
Pittsburgh	862.9	854.8	861.6	6.5	6.6	6.7	39.3	36.8	39.5
Reading	134.5	141.0	142.0	.2	.2	.2	4.3	4.4	4.8
Sharon	40.2	40.0	40.4	.4	.4	.4	1.0	.7	.9
State College	47.1	48.4	48.8	.3	.3	.3	1.3	1.1	1.2
Williamsport	43.6	44.9	45.4	.2	.1	.2	1.0	.9	1.0
York	149.7	151.8	152.8	.4	.4	.4	5.8	5.3	5.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a
New York	1,292.2	1,306.0	1,311.1	417.6	409.2	412.0	1,488.0	1,517.7	1,541.0
Albany-Schenectady-Troy	50.5	50.3	50.3	15.3	15.0	15.1	69.5	72.8	73.8
Binghamton	41.1	41.4	41.7	4.4	4.3	4.4	21.4	21.8	22.1
Buffalo	103.6	101.3	102.2	24.8	24.6	24.9	109.2	109.9	111.6
Elmira	8.0	8.1	8.1	1.3	1.4	1.4	8.3	8.9	9.0
Glens Falls	9.7	10.0	9.9	1.2	1.3	1.3	8.1	7.8	8.2
Monroe County	126.4	124.7	125.2	10.2	10.0	10.0	64.3	65.6	66.5
Nassau-Suffolk	166.8	171.5	171.1	43.8	43.6	44.1	255.6	263.9	269.0
Newburgh-Middletown	14.0	14.3	14.2	5.4	5.3	5.4	19.5	19.9	19.8
New York-Northeastern New Jersey	1,205.5	1,219.6	(^b)	465.9	462.3	(^b)	1,446.0	1,486.2	(^b)
New York and Nassau-Suffolk	682.8	688.8	689.6	309.5	303.8	305.0	971.1	996.4	1,007.1
New York SMSA	516.0	517.3	518.5	265.7	260.2	260.9	715.5	732.4	738.1
New York City	432.6	433.5	434.4	241.6	236.3	236.9	606.4	621.8	626.5
Poughkeepsie	33.6	33.9	34.2	3.2	3.3	3.3	17.1	17.5	17.8
Rochester	144.1	144.4	144.9	12.8	12.6	12.6	82.1	83.6	85.0
Rockland County	15.5	15.6	15.8	3.6	3.6	3.6	19.0	19.0	19.5
Syracuse	54.3	57.4	57.5	14.7	14.8	14.9	58.0	58.3	58.9
Utica-Rome	26.4	27.2	27.6	4.1	4.1	4.1	22.4	23.2	23.8
Westchester County	66.7	66.8	67.0	19.9	19.8	19.8	86.9	88.1	88.6
North Carolina	780.8	812.3	812.2	119.4	121.1	121.7	498.5	519.0	525.1
Asheville	20.9	21.2	21.1	3.4	3.5	3.5	15.4	15.8	15.9
Charlotte-Gastonia	89.5	93.0	93.3	31.9	32.3	32.3	84.5	85.6	86.3
Greensboro-Winston-Salem-High Point	142.2	147.7	147.7	21.0	22.0	21.9	79.9	82.5	83.3
Raleigh-Durham	47.7	50.2	50.7	14.3	14.4	14.4	56.7	58.8	58.9
North Dakota	14.6	15.1	15.1	16.0	16.1	16.3	66.3	64.9	66.0
Fargo-Moorhead	4.4	4.5	4.6	3.8	3.6	3.6	18.7	18.8	19.0
Ohio	1,054.8	1,114.7	1,117.6	199.1	196.0	198.0	925.3	924.4	936.4
Akron	64.7	67.0	67.4	12.6	12.3	12.4	56.4	56.6	57.1
Canton	43.3	45.4	45.3	5.9	5.7	5.8	33.2	33.1	33.5
Cincinnati	139.0	144.6	145.2	31.6	30.8	30.9	139.6	139.6	140.9
Cleveland	206.1	210.6	210.6	41.5	41.1	41.4	192.3	189.8	191.8
Columbus	83.2	87.4	87.1	22.7	22.9	23.1	120.9	123.5	125.4
Dayton	85.3	91.4	91.3	12.7	12.7	12.8	71.9	71.8	72.7
Toledo	67.8	75.8	75.9	17.5	17.5	17.6	64.2	63.1	64.4
Youngstown-Warren	52.9	55.8	55.6	7.6	7.3	7.4	41.8	41.0	41.6
Oklahoma	165.4	172.4	174.3	67.8	65.8	66.5	282.7	287.7	290.2
Enid	2.4	2.2	2.1	2.7	2.6	2.6	7.3	7.4	7.5
Lawton	3.3	3.4	3.5	1.5	1.4	1.4	8.2	8.3	8.3
Oklahoma City	48.6	52.6	52.8	23.1	23.1	23.3	106.4	109.9	111.1
Tulsa	53.2	54.5	54.9	22.5	22.2	22.5	71.1	71.6	72.0
Oregon	182.2	193.7	195.0	55.1	55.6	55.5	240.2	247.5	249.4
Eugene-Springfield	16.8	18.5	18.6	4.3	4.3	4.2	22.8	23.7	23.9
Medford	7.3	8.1	8.3	(^c)	(^c)	(^c)	(^c)	(^c)	(^c)
Portland	92.9	99.0	99.5	34.8	34.7	34.7	136.2	139.9	140.3
Salem	9.9	10.8	11.0	2.7	2.6	2.6	18.4	18.7	18.9
Pennsylvania	1,089.7	1,120.8	1,123.4	241.1	247.8	250.1	989.8	998.8	1,013.2
Allentown-Bethlehem-Easton	87.5	89.9	89.7	13.4	13.4	13.7	51.0	51.5	52.1
Altoona	10.7	11.1	11.0	4.8	5.2	5.1	10.7	10.8	10.9
Delaware Valley	316.1	321.9	321.8	77.9	80.6	81.9	339.0	347.9	350.0
Erie	34.0	36.2	36.3	4.4	4.3	4.3	21.7	21.5	22.0
Harrisburg	39.1	41.8	42.1	15.7	16.5	16.5	46.5	47.7	48.1
Johnstown	11.9	12.7	12.8	4.7	4.8	4.7	15.0	15.3	15.5
Lancaster	54.5	57.2	57.0	6.4	6.2	6.2	36.2	36.7	37.0
Northeast Pennsylvania	61.4	64.7	64.0	12.7	12.5	12.5	50.9	51.4	52.7
Philadelphia SMSA	385.3	392.9	393.5	93.8	97.1	98.1	434.6	444.4	447.9
Philadelphia City	108.6	109.6	109.9	47.4	49.3	50.1	142.3	144.0	145.2
Pittsburgh	167.2	163.4	163.9	51.1	52.2	52.8	205.4	204.5	206.3
Reading	48.2	52.0	51.9	5.8	5.6	5.7	28.2	29.7	29.9
Sharon	10.5	10.9	11.0	2.1	2.1	2.2	9.3	9.2	9.4
State College	7.3	8.0	8.0	1.2	1.3	1.3	8.8	8.7	8.7
Williamsport	14.1	15.1	15.2	1.9	1.9	2.0	9.4	9.6	9.7
York	56.6	57.9	57.8	6.9	6.6	6.8	34.0	36.0	36.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
New York	683.5	701.6	703.6	1,866.5	1,931.5	1,942.1	1,312.4	1,318.3	1,318.1
Albany-Schenectady-Troy	16.8	16.8	17.0	79.0	80.6	81.0	99.6	100.0	99.8
Binghamton	3.8	3.9	3.9	20.9	21.3	21.4	21.6	21.9	22.0
Buffalo	22.6	22.9	23.1	105.5	108.0	108.5	83.6	83.7	83.5
Elmira	1.1	1.1	1.1	7.4	7.4	7.4	6.3	6.4	6.3
Glens Falls	2.0	1.9	1.9	8.1	7.7	8.3	8.5	8.5	8.4
Monroe County	15.2	15.2	15.2	75.9	77.6	78.1	39.5	39.8	39.5
Nassau-Suffolk	57.4	58.5	58.7	238.7	246.1	252.5	176.6	175.9	175.6
Newburgh-Middletown	3.1	3.2	3.2	16.8	17.2	17.5	21.3	20.6	20.6
New York-Northeastern New Jersey	694.1	711.7	(¹)	1,748.8	1,801.6	(²)	1,073.1	1,084.4	(³)
New York and Nassau-Suffolk	574.1	589.7	590.5	1,325.7	1,369.5	1,377.1	773.4	779.4	780.4
New York SMSA	516.7	531.2	531.8	1,087.2	1,123.6	1,124.9	596.8	603.6	604.8
New York City	491.2	505.5	506.0	965.7	1,000.2	999.3	519.6	527.4	528.5
Poughkeepsie	3.0	3.2	3.3	21.2	22.1	22.3	23.8	24.0	23.9
Rochester	17.0	16.9	17.0	89.0	90.9	91.5	61.1	61.7	61.2
Rockland County	3.4	3.4	3.5	21.1	21.6	21.8	20.9	20.4	20.6
Syracuse	17.3	17.6	17.7	56.2	59.5	57.7	47.9	47.6	47.4
Utica-Rome	5.9	6.1	6.2	22.0	21.9	22.0	28.5	27.8	27.8
Westchester County	21.6	21.8	21.8	97.1	98.5	100.5	53.0	52.5	52.6
North Carolina	99.9	103.0	103.6	365.4	372.2	372.1	412.7	425.4	424.8
Asheville	2.3	2.4	2.4	14.7	13.8	14.1	11.9	11.4	11.4
Charlotte-Gastonia	23.7	23.6	23.7	60.3	62.7	62.4	37.3	38.7	39.0
Greensboro-Winston-Salem-High Point	18.7	19.2	19.1	62.8	63.2	63.2	47.9	48.7	48.7
Raleigh-Durham	16.2	17.0	17.1	62.5	65.3	63.9	76.6	81.4	78.4
North Dakota	11.9	12.1	12.1	55.5	56.9	56.8	62.8	62.9	63.9
Fargo-Moorhead	3.9	4.0	4.0	16.0	16.7	16.6	13.2	13.5	13.6
Ohio	208.7	211.8	212.5	877.5	894.4	902.6	671.3	670.5	671.2
Akron	9.2	9.5	9.5	52.9	54.4	55.9	42.7	42.9	43.2
Canton	6.4	6.7	6.7	31.2	31.7	31.8	18.5	18.6	18.6
Cincinnati	32.7	33.1	33.2	130.6	135.0	136.4	81.7	81.3	81.9
Cleveland	48.6	48.0	47.7	195.1	198.9	200.2	116.4	112.7	112.0
Columbus	42.7	44.8	45.0	112.7	116.4	116.8	102.0	103.5	102.8
Dayton	13.7	14.0	14.0	74.8	77.7	76.9	67.3	67.4	67.5
Toledo	10.7	10.9	11.0	63.8	65.8	66.2	47.4	48.9	49.2
Youngstown-Warren	7.2	7.2	7.3	39.2	39.9	40.3	24.6	24.5	24.8
Oklahoma	62.0	62.2	62.6	217.6	222.5	223.5	246.9	246.9	246.6
Enid	1.3	1.3	1.3	5.5	5.4	5.4	3.9	4.0	3.9
Lawton	1.4	1.3	1.3	5.7	5.6	5.7	11.1	11.0	11.5
Oklahoma City	27.4	27.5	27.4	81.9	84.2	84.5	94.2	95.0	94.4
Tulsa	16.2	16.7	16.8	66.6	68.2	68.6	35.4	35.2	35.1
Oregon	64.4	65.6	65.7	195.2	198.6	199.6	199.6	199.0	200.6
Eugene-Springfield	4.5	4.4	4.5	18.8	18.7	18.9	21.2	21.5	21.6
Medford	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)
Portland	43.4	44.0	43.9	112.9	114.4	114.0	82.9	81.3	82.1
Salem	5.3	5.2	5.2	15.2	15.3	15.3	26.8	27.0	27.2
Pennsylvania	241.7	247.2	250.6	1,077.9	1,090.1	1,101.5	687.5	681.8	684.9
Allentown-Bethlehem-Easton	9.8	10.0	10.1	49.8	51.7	53.0	28.6	27.8	28.0
Altoona	1.5	1.5	1.5	9.2	9.2	9.3	7.1	6.8	6.9
Delaware Valley	110.2	113.6	114.4	435.8	450.1	450.4	225.4	222.4	223.7
Erie	4.6	4.7	4.7	23.3	23.9	23.8	13.0	12.5	12.5
Harrisburg	12.8	13.6	13.6	44.7	44.1	45.4	56.6	56.4	56.5
Johnstown	3.8	3.9	4.0	16.8	17.0	17.2	13.0	12.6	12.7
Lancaster	5.6	5.7	5.7	28.4	28.8	28.7	15.0	15.5	15.5
Northeast Pennsylvania	9.9	9.8	10.0	50.9	51.5	52.1	36.8	36.3	36.6
Philadelphia SMSA	128.2	132.0	132.9	512.7	525.9	526.4	294.8	293.6	294.4
Philadelphia City	64.1	64.0	64.2	229.9	235.9	233.5	137.5	136.8	137.0
Pittsburgh	48.4	48.3	49.0	233.5	235.4	235.3	111.5	107.6	108.1
Reading	6.0	6.4	6.5	25.4	26.0	26.2	16.4	16.7	16.8
Sharon	1.3	1.3	1.3	10.1	10.2	10.0	5.5	5.2	5.2
State College	1.4	1.4	1.4	6.8	7.1	7.2	20.0	20.5	20.7
Williamsport	2.1	2.2	2.2	8.7	8.9	8.9	6.2	6.2	6.2
York	4.2	4.2	4.2	23.6	23.8	24.0	18.2	17.6	17.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Rhode Island	395.7	401.8	404.5	0.1	0.1	0.1	11.5	12.3	12.9
Providence-Warwick-Pawtucket	397.6	403.6	405.5	.2	.3	.3	11.4	12.0	12.6
South Carolina	1,187.6	1,227.0	1,234.7	1.7	1.7	1.7	68.6	73.1	73.6
Charleston-North Charleston	154.5	159.3	160.8	(¹)	(¹)	(¹)	9.9	10.6	10.6
Columbia	186.5	193.7	194.2	(¹)	(¹)	(¹)	10.9	13.0	12.9
Greenville-Spartanburg	262.1	265.0	265.5	(¹)	(¹)	(¹)	16.0	15.7	16.0
South Dakota	234.8	236.8	242.4	2.6	2.6	2.6	8.1	7.1	8.3
Sioux Falls	56.0	59.4	60.6	(¹)	(¹)	(¹)	2.0	2.0	2.4
Tennessee	1,717.4	1,793.1	1,811.9	8.0	7.8	7.9	67.1	75.5	76.8
Chattanooga	165.0	165.9	166.1	1.2	1.2	1.2	5.5	6.1	6.1
Johnson City-Kingsport-Bristol	142.0	151.0	149.7	.3	.2	.2	6.4	8.4	8.6
Knoxville	200.4	203.4	203.8	1.3	1.3	1.3	7.6	8.9	8.8
Memphis	352.5	358.4	359.1	.1	.1	.1	13.0	13.8	13.9
Nashville-Davidson	378.2	393.4	394.5	(¹)	(¹)	(¹)	18.4	21.9	22.4
Texas	6,154.8	6,316.4	6,336.3	259.4	266.3	267.2	420.4	406.0	408.7
Abilene	57.8	57.9	57.8	4.1	4.1	4.1	3.0	3.0	3.0
Amarillo	77.1	79.2	79.7	(¹)	(¹)	(¹)	3.8	3.8	4.0
Austin	283.6	298.7	299.4	(¹)	(¹)	(¹)	16.9	19.2	19.5
Beaumont-Port Arthur-Orange	141.2	139.9	141.5	(¹)	(¹)	(¹)	10.0	8.0	8.8
Brownsville-Harlingen-San Benito	61.4	63.3	63.2	(¹)	(¹)	(¹)	3.4	3.4	3.4
Bryan-College Station	45.3	46.6	46.3	1.1	1.1	1.2	2.9	3.1	3.1
Corpus Christi	129.6	128.9	129.5	7.2	7.3	7.3	12.2	10.2	10.1
Dallas-Fort Worth	1,576.9	1,645.0	1,648.8	28.9	28.1	28.1	93.7	100.6	100.8
El Paso	164.7	166.9	168.2	(¹)	(¹)	(¹)	8.4	9.1	9.4
Galveston-Texas City	68.5	68.6	68.8	(¹)	(¹)	(¹)	4.0	4.2	4.2
Houston	1,502.0	1,518.2	1,525.3	98.2	100.4	101.1	136.1	130.4	130.6
Killeen-Temple	59.6	62.5	63.1	(¹)	(¹)	(¹)	3.4	3.9	4.0
Laredo	29.5	30.3	30.7	(¹)	(¹)	(¹)	1.4	1.3	1.3
Longview-Marshall	67.2	67.2	67.4	(¹)	(¹)	(¹)	4.9	4.7	4.7
Lubbock	91.7	91.6	91.2	(¹)	(¹)	(¹)	4.1	4.3	4.3
McAllen-Pharr-Edinburg	77.9	78.0	78.0	1.4	1.4	1.3	5.2	5.0	5.0
Midland	50.3	55.3	56.8	12.1	12.5	12.7	3.8	3.3	3.5
Odessa	54.3	57.9	58.3	8.4	8.5	8.6	4.1	4.6	4.2
San Angelo	37.2	37.5	37.6	.9	.7	.7	2.4	2.3	2.3
San Antonio	434.6	452.8	455.3	3.3	3.5	3.5	30.8	32.2	32.2
Sherman-Denison	34.4	34.5	34.7	.2	.2	.2	1.4	1.3	1.2
Texarkana	45.8	46.6	46.7	.1	.1	.1	1.9	1.8	2.0
Tyler	57.1	58.0	58.4	3.0	2.9	2.9	2.6	2.4	2.5
Waco	73.2	75.9	77.2	(¹)	(¹)	(¹)	3.7	4.1	4.2
Wichita Falls	52.0	53.5	53.9	3.2	3.2	3.2	2.0	2.2	2.2
Utah	558.2	590.2	592.5	13.0	13.6	13.6	27.4	31.0	32.6
Salt Lake City-Ogden	397.5	419.5	422.5	5.7	5.8	5.8	17.7	21.1	22.2
Vermont	203.4	205.3	206.4	.7	.7	.7	10.5	10.7	11.7
Burlington	62.4	63.9	63.8	(¹)	(¹)	(¹)	3.3	3.5	3.8
Springfield	12.6	12.6	13.0	(¹)	(¹)	(¹)	1.1	1.1	1.3
Virginia	2,192.5	2,265.0	2,287.8	17.2	18.8	19.1	111.8	121.7	126.5
Bristol	26.2	27.2	27.4	.1	.1	.1	.9	1.1	1.1
Charlottesville	58.2	58.4	58.9	.1	.1	.1	2.8	2.9	2.9
Danville	39.7	39.9	40.4	.1	.1	.1	1.4	1.4	1.5
Lynchburg	69.3	71.1	72.3	.1	.1	.1	2.6	2.7	2.8
Newport News-Hampton	158.0	164.8	167.2	.1	.1	.1	7.0	7.8	8.3
Norfolk-Virginia Beach-Portsmouth	301.3	312.9	317.9	.1	.1	.1	18.9	21.0	22.0
Northern Virginia	503.9	525.8	532.1	.5	.5	.5	27.3	30.5	32.0
Petersburg-Colonial Heights-Hopewell	41.6	40.8	41.4	.1	.1	.1	1.8	1.8	1.8
Richmond	332.5	338.7	340.6	.3	.3	.4	16.2	16.3	17.0
Roanoke	101.8	104.1	105.2	.1	.1	.1	5.1	5.3	5.8
Washington	1,581.9	1,619.7	1,632.8	2.7	2.8	2.8	72.3	69.5	71.9
Seattle-Everett	765.2	790.7	794.9	.4	.4	.4	33.1	34.4	35.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
Rhode Island	115.4	118.9	119.1	13.4	13.5	13.5	82.6	83.6	84.4
Providence-Warwick-Pawtucket	125.3	127.7	127.4	13.6	13.9	13.8	82.5	83.1	83.9
South Carolina	359.2	371.9	372.9	54.5	55.4	56.1	237.8	245.3	248.4
Charleston-North Charleston	18.6	19.4	19.7	8.7	8.6	8.8	35.8	37.2	37.9
Columbia	25.3	26.7	26.7	9.5	8.6	8.6	38.9	40.8	41.2
Greenville-Spartanburg	97.2	99.8	99.4	9.5	9.4	9.6	54.2	54.7	54.9
South Dakota	25.3	27.5	28.1	12.5	12.2	12.4	62.4	62.9	64.5
Sioux Falls	8.0	8.4	8.6	4.5	4.5	4.6	15.6	17.0	17.3
Tennessee	466.7	492.9	495.3	83.3	88.7	90.0	385.2	402.6	407.1
Chattanooga	42.9	43.8	43.9	7.3	7.2	7.3	36.0	37.7	37.7
Johnson City-Kingsport-Bristol	50.4	52.7	53.0	6.1	6.0	5.3	28.3	28.4	28.0
Knoxville	48.0	50.5	50.4	7.5	6.7	6.7	46.1	46.6	46.9
Memphis	50.7	51.6	51.6	26.8	28.6	28.7	97.1	98.4	98.9
Nashville-Davidson	79.9	86.4	86.8	20.2	19.3	19.3	88.4	88.6	89.1
Texas	954.3	983.4	986.3	369.0	379.7	380.0	1,541.6	1,585.0	1,590.6
Abilene	6.9	5.9	5.9	3.1	3.2	3.1	14.9	15.1	15.1
Amarillo	9.7	9.7	9.6	6.4	6.5	6.8	22.7	24.0	24.1
Austin	33.1	34.8	34.8	8.0	8.2	8.1	63.6	67.5	67.7
Beaumont-Port Arthur-Orange	32.4	31.8	32.0	11.8	11.6	11.6	32.6	33.3	33.7
Brownsville-Harlingen-San Benito	10.8	11.0	10.8	3.2	3.0	3.0	16.6	17.0	17.2
Bryan-College Station	3.0	3.1	3.1	1.8	1.8	1.8	9.9	10.0	9.9
Corpus Christi	13.9	14.5	14.6	7.5	7.6	7.5	31.9	32.3	32.5
Dallas-Fort Worth	305.5	317.7	318.0	96.7	99.7	99.8	423.2	437.6	439.7
El Paso	35.9	37.2	37.3	9.9	9.6	9.6	39.7	40.1	40.7
Galveston-Texas City	10.8	9.8	9.8	6.1	6.0	5.9	12.6	12.4	12.5
Houston	201.9	197.7	198.3	104.6	104.2	104.3	365.2	368.1	370.3
Killeen-Temple	8.0	8.8	8.8	3.0	3.0	3.0	13.9	14.9	15.1
Laredo	1.7	1.9	2.0	3.1	3.1	3.2	9.0	9.0	9.1
Longview-Marshall	15.0	14.8	14.7	3.7	3.6	3.6	16.7	17.2	17.4
Lubbock	12.6	9.3	9.2	4.5	4.7	4.6	25.7	26.9	26.8
McAllen-Pharr-Edinburg	9.5	9.8	10.1	2.6	2.7	2.7	25.0	24.4	24.2
Midland	3.6	3.9	3.9	2.7	2.9	3.0	11.5	13.5	13.9
Odessa	6.1	5.9	5.9	3.0	3.0	3.0	15.5	17.5	18.0
San Angelo	5.6	5.6	5.6	3.8	3.7	3.7	8.9	9.2	9.3
San Antonio	48.8	50.8	51.2	17.9	18.5	18.6	109.9	116.3	117.6
Sherman-Denison	11.2	11.6	11.6	2.1	2.1	2.1	7.2	6.8	7.1
Texarkana	8.5	8.7	8.8	1.9	2.0	2.0	10.6	11.0	10.7
Tyler	11.7	12.2	12.3	2.8	3.0	2.9	14.4	14.6	14.7
Waco	15.4	15.6	16.2	3.2	3.2	3.2	18.1	19.4	19.6
Wichita Falls	8.5	9.2	9.6	2.8	2.8	2.8	13.1	13.4	13.5
Utah	83.5	92.5	93.1	35.7	36.0	36.3	131.3	137.6	139.1
Salt Lake City-Ogden	57.3	63.3	63.4	28.1	28.2	28.3	97.5	103.2	104.2
Vermont	47.1	48.0	48.1	8.7	8.7	8.9	42.7	43.2	43.7
Burlington	15.5	15.8	15.9	2.6	2.5	2.6	13.1	13.3	13.4
Springfield	4.0	4.0	4.0	.6	.6	.6	2.3	2.2	2.3
Virginia	396.6	410.4	411.6	119.8	123.3	123.9	473.0	495.3	502.5
Bristol	8.3	9.2	9.3	1.1	1.1	1.1	6.4	6.3	6.4
Charlottesville	10.1	10.1	10.1	1.9	1.8	1.9	9.8	9.9	10.1
Danville	18.6	18.8	18.9	1.0	1.0	1.0	7.4	7.3	7.5
Lynchburg	26.0	27.2	27.5	2.9	3.0	3.0	12.4	12.4	12.6
Newport News-Hampton	38.3	39.5	39.6	4.8	4.7	4.8	31.9	34.2	34.8
Norfolk-Virginia Beach-Portsmouth	25.9	27.1	27.8	19.9	20.2	20.1	73.9	77.2	79.0
Northern Virginia	24.1	27.4	27.8	34.4	36.3	36.5	114.5	121.1	122.8
Petersburg-Colonial Heights-Hopewell	7.7	7.1	7.1	1.2	1.2	1.2	8.2	8.2	8.3
Richmond	54.9	55.5	55.3	19.8	19.9	20.2	79.6	81.6	82.5
Roanoke	19.4	19.7	19.8	8.4	8.1	8.1	25.2	27.3	27.6
Washington	277.1	282.5	285.2	87.7	90.6	91.0	390.3	403.8	408.0
Seattle-Everett	149.1	150.5	151.1	52.3	54.5	54.6	191.6	197.0	198.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Rhode Island	21.4	21.5	21.7	93.6	94.5	95.4	57.7	57.4	57.4
Providence-Warwick-Pawtucket	20.8	20.9	21.2	89.9	91.0	91.8	53.9	54.7	54.5
South Carolina	50.8	52.4	53.1	178.7	187.3	189.3	236.3	239.9	239.6
Charleston-North Charleston	7.3	7.6	7.8	27.8	27.8	28.3	46.3	48.0	47.6
Columbia	14.6	15.1	15.3	31.3	32.4	32.5	55.7	56.8	56.7
Greenville-Spartanburg	10.6	10.5	10.6	38.7	39.1	38.9	35.7	35.6	35.9
South Dakota	12.3	12.8	12.8	53.5	53.6	54.9	58.2	58.1	58.9
Sioux Falls	4.5	5.0	5.0	14.7	15.7	15.8	6.7	6.8	6.9
Tennessee	80.7	81.7	82.6	321.2	337.6	346.3	305.2	306.3	305.9
Chattanooga	9.7	9.8	9.9	30.6	30.6	29.8	31.8	30.4	30.2
Johnson City-Kingsport-Bristol	4.4	4.8	4.7	22.1	25.0	24.9	24.0	25.5	25.0
Knoxville	8.5	8.2	8.2	36.8	36.5	36.8	44.6	44.7	44.7
Memphis	20.2	21.3	21.3	80.2	81.9	82.3	64.4	62.7	62.3
Nashville-Davidson	26.6	28.0	28.2	82.8	87.1	86.9	61.9	62.1	61.8
Texas	390.0	402.3	403.8	1,171.6	1,215.8	1,219.7	1,048.5	1,077.9	1,080.0
Abilene	3.2	3.2	3.2	13.2	13.7	13.7	9.4	9.7	9.7
Amarillo	4.1	4.4	4.4	16.7	16.6	16.6	13.7	14.2	14.2
Austin	18.0	18.6	18.8	57.3	60.5	60.8	86.7	89.9	89.7
Beaumont-Port Arthur-Orange	5.6	5.7	5.7	28.6	29.2	29.6	20.2	20.3	20.1
Brownsville-Harlingen-San Benito	3.0	3.1	3.1	10.8	11.6	11.6	13.6	14.2	14.1
Bryan-College Station	1.8	1.9	1.9	6.6	6.8	6.7	18.2	18.8	18.6
Corpus Christi	6.5	6.5	6.6	23.8	23.7	24.0	26.6	26.8	26.8
Dallas-Fort Worth	126.2	135.8	136.2	316.1	334.1	334.6	186.6	191.4	191.6
El Paso	7.8	8.0	8.0	28.3	28.0	28.4	34.7	34.9	34.8
Galveston-Texas City	4.5	4.5	4.5	11.4	11.5	11.5	19.1	20.2	20.4
Houston	105.2	106.6	107.6	310.0	325.7	328.2	180.8	185.1	184.9
Killeen-Temple	2.3	2.4	2.5	10.9	11.3	11.3	18.1	18.2	18.4
Laredo	1.4	1.4	1.4	5.9	6.2	6.3	7.0	7.4	7.4
Longview-Marshall	2.9	2.8	2.8	15.9	15.7	15.8	8.1	8.4	8.4
Lubbock	5.2	5.4	5.4	19.0	19.8	19.9	20.6	21.2	21.0
McAllen-Pharr-Edinburg	3.1	3.3	3.3	10.9	11.4	11.4	20.2	20.0	20.0
Midland	3.5	3.9	4.0	7.9	9.3	9.8	5.2	6.0	6.0
Odessa	2.5	2.3	2.4	7.8	8.9	8.9	6.9	7.2	7.3
San Angelo	1.5	1.7	1.7	7.5	7.4	7.4	6.6	6.9	6.9
San Antonio	31.0	32.5	32.7	94.1	98.7	98.8	98.8	100.3	100.7
Sherman-Denison	1.2	1.3	1.3	6.3	6.3	6.3	4.8	4.9	4.9
Texarkana	1.7	1.7	1.7	8.1	8.6	8.6	13.0	12.7	12.8
Tyler	3.2	3.1	3.2	11.6	11.7	11.8	7.8	8.1	8.1
Waco	4.6	4.6	4.6	16.6	17.4	17.7	11.6	11.6	11.7
Wichita Falls	2.5	2.5	2.5	9.1	9.3	9.3	10.8	10.9	10.8
Utah	27.8	29.2	29.6	108.4	117.6	114.6	131.2	132.8	133.6
Salt Lake City-Ogden	22.9	24.0	24.4	75.6	80.0	79.8	92.8	94.1	94.4
Vermont	8.9	9.0	9.1	47.7	47.6	47.8	37.1	37.4	36.4
Burlington	2.6	2.7	2.6	14.7	15.1	15.3	10.6	11.0	10.2
Springfield .....	.3	.4	.4	2.6	2.6	2.7	1.7	1.7	1.7
Virginia	108.8	113.8	114.9	458.3	469.2	474.2	507.0	512.5	515.1
Bristol .....	.9	1.0	.9	3.4	3.5	3.5	5.2	5.0	5.0
Charlottesville	2.8	2.7	2.8	9.2	9.1	9.3	21.5	21.8	21.8
Danville	1.1	1.2	1.2	5.1	5.0	5.1	5.1	5.2	5.2
Lynchburg	3.2	3.3	3.3	12.6	12.7	12.8	9.6	9.8	10.2
Newport News-Hampton	4.6	5.0	5.0	32.8	34.2	35.1	38.7	39.2	39.6
Norfolk-Virginia Beach-Portsmouth	15.4	16.0	16.4	66.1	68.8	70.0	81.3	82.4	82.7
Northern Virginia	30.5	31.3	31.8	146.6	154.4	155.8	126.0	124.4	125.0
Petersburg-Colonial Heights-Hopewell	1.2	1.2	1.2	6.8	7.0	7.1	14.6	14.3	14.5
Richmond	27.3	27.4	27.4	63.6	65.1	65.1	70.8	72.6	72.9
Roanoke	6.2	6.3	6.4	22.6	22.5	22.7	14.8	14.7	14.7
Washington	92.1	93.5	93.7	326.9	337.3	339.5	332.8	339.7	340.7
Seattle-Everett	57.5	58.3	58.4	160.7	170.3	170.7	120.5	125.3	126.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
West Virginia	579.7	589.4	593.8	48.6	51.5	51.7	21.7	20.1	22.0
Charleston	104.7	104.2	105.6	4.3	3.8	3.8	4.7	4.3	4.7
Huntington-Ashland	92.6	92.2	92.5	.8	.7	.7	4.3	3.8	4.1
Parkersburg-Marietta	55.8	56.1	56.6	1.2	1.2	1.2	2.5	2.2	2.4
Wheeling	58.8	57.5	58.2	3.2	3.1	3.2	2.1	1.7	1.9
Wisconsin	1,848.3	1,878.9	1,902.1	2.4	2.2	2.6	53.4	51.1	56.0
Appleton-Oshkosh	125.1	127.3	128.6	(¹)	(¹)	(¹)	4.4	4.3	4.9
Eau Claire	48.9	49.5	50.1	(¹)	(¹)	(¹)	1.4	1.2	1.4
Green Bay	77.7	80.0	80.7	(¹)	(¹)	(¹)	2.5	2.5	3.0
Janesville-Beloit	49.2	51.3	51.9	(¹)	(¹)	(¹)	1.1	1.1	1.2
Kenosha	42.1	41.9	42.8	(¹)	(¹)	(¹)	1.2	.9	.9
La Crosse	45.9	46.4	47.0	(¹)	(¹)	(¹)	1.3	1.2	1.2
Madison	172.5	175.9	177.7	(¹)	(¹)	(¹)	5.3	5.9	6.4
Milwaukee	617.0	626.4	629.9	(¹)	(¹)	(¹)	14.6	14.2	15.1
Racine	62.5	63.9	64.3	(¹)	(¹)	(¹)	1.1	1.0	1.2
Sheboygan	40.9	42.8	42.9	(¹)	(¹)	(¹)	1.6	2.0	2.0
Wausau	41.1	41.9	42.3	(¹)	(¹)	(¹)	1.1	1.0	1.1
Wyoming	204.7	199.6	203.5	27.4	26.2	26.2	17.4	17.6	19.8
Puerto Rico	640.0	661.6	667.0	.7	.7	.7	21.6	27.6	27.6
Caguas	26.5	25.4	25.7	(²)	(²)	(²)	(²)	(²)	(²)
Mayaguez	36.4	37.1	37.0	(²)	(²)	(²)	(²)	(²)	(²)
Ponce	44.1	43.8	44.4	(²)	(²)	(²)	1.8	1.7	1.8
San Juan	328.7	338.2	342.4	(²)	(²)	(²)	15.2	19.0	19.0
Virgin Islands	35.9	35.4	34.6	(²)	(²)	(²)	2.3	2.5	2.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
West Virginia	89.3	92.0	92.4	39.2	38.6	38.7	126.6	126.4	127.0
Charleston	14.8	13.7	13.8	8.9	9.0	9.0	25.3	26.2	26.6
Huntington-Ashland	18.9	20.1	19.7	7.9	7.9	7.9	23.2	22.7	22.9
Parkersburg-Marietta	14.2	14.6	14.8	2.1	2.0	2.1	13.4	13.4	13.5
Wheeling	8.7	8.6	8.5	3.6	3.5	3.5	14.8	14.6	14.7
Wisconsin	476.4	497.9	499.4	86.5	86.0	86.8	426.0	430.3	440.7
Appleton-Oshkosh	44.5	46.4	46.7	4.7	4.7	4.8	26.3	26.5	26.7
Eau Claire	8.9	8.9	9.1	2.6	2.6	2.6	13.3	14.0	14.1
Green Bay	20.6	21.0	20.9	5.8	5.6	6.0	20.8	22.2	22.3
Janesville-Beloit	16.4	18.6	18.6	2.1	2.2	2.2	11.9	12.1	12.4
Kenosha	16.7	16.8	17.4	1.1	1.1	1.1	8.0	7.7	7.9
La Crosse	10.0	10.1	10.2	2.1	2.2	2.2	12.1	12.4	12.6
Madison	18.6	18.8	19.0	5.9	5.9	6.0	38.1	38.6	39.2
Milwaukee	162.1	169.4	168.7	31.9	32.0	32.3	138.4	138.4	140.6
Racine	23.2	24.9	24.8	2.3	2.2	2.2	13.5	13.5	13.8
Sheboygan	16.6	18.0	18.0	1.3	1.3	1.4	7.9	7.5	7.6
Wausau	10.8	11.4	11.5	2.1	2.1	2.1	10.2	9.9	10.1
Wyoming	7.8	7.8	7.8	16.2	16.1	16.1	43.7	43.5	43.9
Puerto Rico	143.2	150.8	149.8	14.8	14.7	15.8	105.5	102.9	106.8
Caguas	8.5	8.2	8.3	(¹)	(¹)	(¹)	5.5	5.1	5.4
Mayaguez	13.5	14.4	13.9	(¹)	(¹)	(¹)	5.0	5.3	5.6
Ponce	8.9	9.6	9.8	(¹)	(¹)	(¹)	7.1	6.8	7.2
San Juan	31.4	32.3	32.2	11.1	11.4	12.1	67.4	66.2	68.4
Virgin Islands	2.4	2.6	2.2	2.2	2.3	2.2	7.4	7.1	7.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
West Virginia	22.2	21.9	21.9	105.8	106.3	106.4	126.2	132.6	133.8
Charleston	5.2	5.1	5.3	21.3	21.2	21.3	20.2	20.9	21.2
Huntington-Ashland	3.7	3.5	3.5	15.3	15.1	15.3	18.4	18.5	18.4
Parkersburg-Marietta	2.0	2.0	2.1	10.8	10.9	10.9	9.6	9.8	9.7
Wheeling	2.8	2.6	2.6	14.5	14.3	14.4	9.1	9.2	9.6
Wisconsin	96.8	97.7	98.3	385.0	390.8	394.9	321.7	322.9	323.4
Appleton-Oshkosh	5.9	6.3	6.4	22.6	22.6	22.8	16.7	16.5	16.4
Eau Claire	1.7	1.7	1.8	10.3	10.3	10.4	10.6	10.8	10.7
Green Bay	2.6	2.6	2.6	15.8	16.1	16.1	9.7	10.1	10.0
Janesville-Beloit	1.4	1.4	1.4	9.5	9.6	9.7	6.7	6.3	6.4
Kenosha	1.0	1.0	1.0	8.1	7.8	7.9	6.1	6.5	6.6
La Crosse	1.4	1.4	1.4	11.8	12.2	12.2	7.2	6.9	7.2
Madison	13.3	13.0	13.1	34.8	35.8	35.9	56.4	57.9	58.0
Milwaukee	41.9	42.1	42.0	146.9	151.2	151.8	81.1	79.0	79.3
Racine	2.1	2.2	2.2	12.2	12.1	12.0	8.1	8.1	8.1
Sheboygan	1.7	1.8	1.8	6.6	6.8	6.8	5.1	5.3	5.3
Wausau	3.9	3.8	3.9	6.9	6.9	7.0	6.1	6.6	6.5
Wyoming	7.8	7.5	7.5	33.4	30.6	30.7	51.0	50.3	51.5
Puerto Rico	28.3	28.5	28.4	86.6	88.5	88.8	239.4	247.9	249.0
Caguas	(²)	(²)	(²)	(²)	(²)	(²)	9.1	8.6	8.6
Mayaguez	(²)	(²)	(²)	(²)	(²)	(²)	12.5	12.5	12.5
Ponce	(²)	(²)	(²)	7.2	6.8	6.8	16.1	15.8	15.8
San Juan	21.7	21.6	21.7	58.6	60.4	61.0	123.0	127.0	127.7
Virgin Islands	1.5	1.4	1.4	6.1	5.9	5.9	14.0	13.6	13.6

¹ Combined with services.

² Not available.

³ Combined with construction.

⁴ Less than 50 employees.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and Area data have been adjusted to March 1983 benchmarks except Wisconsin.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1963 to date

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	38.8	\$2.28	\$88.46	41.6	\$2.75	\$114.40	37.3	\$3.41	\$127.19
1964	38.7	2.36	91.33	41.9	2.81	117.74	37.2	3.55	132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.27	478.98	37.2	11.92	443.42
Monthly data, not seasonally adjusted									
1983:									
June	35.2	\$7.98	\$280.90	42.5	\$11.22	\$476.85	37.9	\$11.77	\$446.08
July	35.3	8.01	282.75	42.1	11.27	474.47	38.2	11.80	450.76
August	35.3	7.95	280.64	42.6	11.25	479.25	38.0	11.86	450.68
September	35.3	8.12	286.64	43.1	11.33	488.32	37.9	12.04	456.32
October	35.3	8.16	288.05	43.2	11.33	489.46	37.3	12.06	449.84
November	35.1	8.16	286.42	42.9	11.40	489.06	36.3	11.91	432.33
December	35.5	8.16	289.68	43.4	11.41	495.19	36.8	12.02	442.34
1984:									
January	35.0	8.26	289.10	43.3	11.54	499.68	36.3	12.08	438.50
February	35.0	8.24	288.40	42.9	11.49	492.92	37.0	11.99	443.63
March	35.0	8.24	288.40	42.8	11.60	496.48	36.7	11.97	439.30
April	35.3	8.29	292.64	43.0	11.62	499.66	37.5	11.95	448.13
May ^p	35.3	8.27	291.93	43.3	11.55	500.12	38.1	11.97	456.06
June ^p	35.6	8.29	295.12	44.1	11.61	512.00	38.6	11.94	460.88

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1963 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1963	40.5	\$2.45	\$2.37	\$99.23	(²)	(²)	(²)	40.6	\$2.45	\$99.47
1964	40.7	2.53	2.43	102.97	41.1	\$2.89	\$118.78	40.7	2.52	102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.51	354.08	39.0	10.80	421.20	38.5	8.54	328.79
Monthly data, not seasonally adjusted										
1983:										
June	40.3	\$8.79	\$8.48	\$354.24	39.1	\$10.72	\$419.15	38.6	\$8.49	\$327.71
July	40.0	8.84	8.53	353.60	39.2	10.84	424.93	38.6	8.56	330.42
August	40.2	8.78	8.44	352.96	39.5	10.69	422.26	38.6	8.54	329.64
September	40.8	8.89	8.52	362.71	39.4	10.88	428.67	38.7	8.62	333.59
October	40.7	8.90	8.54	362.23	39.5	10.94	432.13	38.7	8.69	336.30
November	40.8	8.97	8.61	365.98	39.3	11.01	432.69	38.7	8.68	335.92
December	41.2	9.04	8.67	372.45	39.7	11.00	436.70	38.9	8.74	339.99
1984:										
January	40.6	9.08	8.72	368.65	39.2	11.08	434.34	38.4	8.82	338.69
February	40.7	9.06	8.70	368.74	39.0	11.01	429.39	38.2	8.79	335.78
March	40.7	9.09	8.73	369.96	39.0	11.02	429.78	38.3	8.79	336.66
April	40.9	9.11	8.75	372.60	39.3	11.07	435.05	38.5	8.89	342.27
May ^p	40.7	9.10	8.75	370.37	39.2	11.04	432.77	38.6	8.85	341.61
June ^p	40.9	9.13	8.77	373.42	39.5	11.03	435.69	38.7	8.86	342.88

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1963 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	37.3	\$1.68	\$62.66	37.5	\$2.25	\$84.38	(²)	(²)	(²)
1964	37.0	1.75	64.75	37.3	2.30	85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.30	238.71
Monthly data, not seasonally adjusted									
1983:									
June	30.1	\$5.73	\$172.47	36.1	\$7.25	\$261.73	32.9	\$7.24	\$238.20
July	30.6	5.73	175.34	36.3	7.29	264.63	33.1	7.24	239.64
August	30.5	5.73	174.77	36.1	7.24	261.36	33.0	7.24	238.92
September	29.9	5.78	172.82	36.1	7.33	264.61	32.7	7.37	241.00
October	29.9	5.79	173.12	36.4	7.45	271.18	32.7	7.43	242.96
November	29.8	5.82	173.44	36.1	7.39	266.78	32.6	7.44	242.54
December	30.8	5.78	178.02	36.2	7.43	268.97	32.6	7.47	243.52
1984:									
January	29.4	5.89	173.17	36.5	7.55	275.58	32.6	7.57	246.78
February	29.4	5.89	173.17	36.4	7.54	274.46	32.6	7.55	246.13
March	29.6	5.89	174.34	36.3	7.54	273.70	32.6	7.54	245.80
April	29.8	5.90	175.82	36.5	7.62	278.13	32.7	7.60	248.52
May ^p	30.0	5.88	176.40	36.3	7.53	273.34	32.6	7.54	245.80
June ^p	30.3	5.88	178.16	36.3	7.53	273.34	33.0	7.53	248.49

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^a	May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^a
Total private		34.9	35.2	35.3	35.3	35.6	-	-	-	-	-
Mining		42.2	42.5	43.0	43.3	44.1	-	-	-	-	-
Metal mining	10	39.3	39.6	40.5	41.0	-	-	-	-	-	-
Iron ores	101	38.2	38.9	39.2	39.4	-	-	-	-	-	-
Copper ores	102	40.1	40.0	41.5	42.3	-	-	-	-	-	-
Coal mining	11,12	39.7	39.6	40.9	41.1	-	-	-	-	-	-
Bituminous coal and lignite mining	12	39.7	39.7	40.9	41.1	-	-	-	-	-	-
Oil and gas extraction	13	43.4	43.5	43.9	44.1	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	42.0	42.2	41.9	41.6	-	-	-	-	-	-
Oil and gas field services	138	44.0	44.1	44.7	45.1	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	43.4	44.4	44.2	44.8	-	-	-	-	-	-
Crushed and broken stone	142	44.1	44.7	44.7	45.9	-	-	-	-	-	-
Construction		37.5	37.9	37.5	38.1	38.6	-	-	-	-	-
General building contractors	15	36.8	37.1	37.1	37.4	-	-	-	-	-	-
Residential building construction	152	36.3	36.8	36.4	37.2	-	-	-	-	-	-
Operative builders	153	39.5	40.5	39.4	39.2	-	-	-	-	-	-
Nonresidential building construction	154	36.9	37.2	37.5	37.6	-	-	-	-	-	-
Heavy construction contractors	16	40.7	41.5	40.9	41.6	-	-	-	-	-	-
Highway and street construction	161	41.5	42.9	41.0	42.1	-	-	-	-	-	-
Heavy construction, except highway	162	40.3	40.8	40.9	41.3	-	-	-	-	-	-
Special trade contractors	17	36.5	36.9	36.6	37.2	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	37.2	38.1	37.2	38.1	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	35.1	35.7	35.2	35.9	-	-	-	-	-	-
Electrical work	173	38.2	37.5	38.6	39.0	-	-	-	-	-	-
Masonry, stonework, and plastering	174	35.1	35.0	34.9	35.0	-	-	-	-	-	-
Carpentering and flooring	175	35.2	35.4	34.2	34.8	-	-	-	-	-	-
Roofing and sheet metal work	176	33.5	35.0	33.3	35.1	-	-	-	-	-	-
Manufacturing		39.9	40.3	40.9	40.7	40.9	2.7	3.0	3.4	3.3	3.4
Durable goods		40.4	40.8	41.6	41.4	41.6	2.6	2.9	3.6	3.5	3.6
Lumber and wood products	24	40.2	40.8	40.2	40.1	40.1	3.1	3.4	3.3	3.2	-
Logging camps and logging contractors	241	39.8	40.1	38.6	38.9	-	3.4	3.5	3.4	3.4	-
Sawmills and planing mills	242	40.7	41.6	41.1	40.8	-	3.4	3.9	4.0	3.9	-
Sawmills and planing mills, general	2421	40.9	41.8	41.3	41.1	-	3.5	4.0	4.1	4.0	-
Hardwood dimension and flooring	2426	39.8	40.9	40.0	39.8	-	2.8	3.3	3.2	3.0	-
Millwork, plywood, and structural members	243	40.3	40.9	40.6	40.3	-	2.9	3.4	3.3	3.1	-
Millwork	2431	40.1	41.0	40.3	39.7	-	2.2	2.9	2.4	2.1	-
Wood kitchen cabinets	2434	39.7	39.8	40.6	40.6	-	2.7	2.7	3.4	3.3	-
Hardwood veneer and plywood	2435	39.7	41.0	40.6	40.4	-	3.1	3.6	3.5	3.4	-
Softwood veneer and plywood	2436	42.2	42.1	41.4	40.7	-	4.1	4.6	4.3	3.8	-
Wood containers	244	38.7	39.2	38.6	38.5	-	2.1	2.3	2.3	2.2	-
Wood buildings and mobile homes	245	39.5	40.1	38.1	38.4	-	3.0	3.4	2.1	2.5	-
Mobile homes	2451	40.2	40.4	38.6	38.5	-	3.2	3.7	2.0	2.3	-
Miscellaneous wood products	249	40.6	40.6	40.8	40.8	-	2.6	2.6	2.8	2.9	-
Furniture and fixtures	25	39.0	39.9	39.5	39.4	39.6	2.0	2.4	2.3	2.3	-
Household furniture	251	38.9	39.7	39.1	38.8	-	1.9	2.2	2.2	2.0	-
Wood household furniture	2511	38.8	39.6	39.4	39.3	-	1.9	2.2	2.5	2.3	-
Upholstered household furniture	2512	38.4	39.5	38.5	37.7	-	1.3	1.7	1.5	1.2	-
Metal household furniture	2514	40.1	40.9	40.5	40.3	-	2.6	2.7	2.6	2.5	-
Mattresses and bedsprings	2515	39.1	39.8	36.9	36.9	-	2.2	2.5	1.2	1.3	-
Office furniture	252	39.2	40.0	40.7	41.0	-	2.2	2.5	3.0	3.2	-
Public building and related furniture	253	39.8	40.1	40.0	39.8	-	2.7	2.7	3.0	3.1	-
Partitions and fixtures	254	38.6	39.5	39.7	40.0	-	2.2	2.9	2.8	3.1	-
Miscellaneous furniture and fixtures	259	40.9	41.6	40.4	40.6	-	2.2	2.7	1.6	1.5	-
Stone, clay, and glass products	32	41.4	42.1	42.2	42.4	42.6	3.9	4.4	4.7	4.9	-
Flat glass	321	42.2	44.3	44.7	44.7	-	4.1	5.1	5.8	5.8	-
Glass and glassware, pressed or blown	322	40.6	40.9	41.2	41.1	-	3.8	4.0	4.2	4.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Total private		\$7.98	\$7.98	\$8.29	\$8.27	\$8.29	\$278.50	\$280.90	\$292.64	\$291.93	\$295.12
Mining		11.17	11.22	11.62	11.55	11.61	471.37	476.85	499.66	500.12	512.00
Metal mining	10	12.44	12.55	12.91	12.91	-	488.89	496.98	522.86	529.31	-
Iron ores	101	12.18	12.40	12.53	12.81	-	465.28	482.36	491.18	504.71	-
Copper ores	102	12.97	13.03	13.48	13.57	-	520.10	521.20	559.42	574.01	-
Coal mining	11,12	13.42	13.65	14.63	14.59	-	532.77	540.54	598.37	599.65	-
Bituminous coal and lignite mining	12	13.47	13.69	14.67	14.64	-	534.76	543.49	600.00	601.70	-
Oil and gas extraction	13	10.66	10.63	10.75	10.67	-	462.64	462.41	471.93	470.55	-
Crude petroleum, natural gas, and natural gas liquids	131,2	12.29	12.18	12.87	12.70	-	516.18	514.00	539.25	528.32	-
Oil and gas field services	138	9.93	9.94	9.94	9.91	-	436.92	438.35	444.32	446.94	-
Nonmetallic minerals, except fuels	14	9.13	9.27	9.70	9.72	-	396.24	411.59	428.74	435.46	-
Crushed and broken stone	142	8.65	8.76	9.08	9.18	-	381.47	391.57	405.88	421.36	-
Construction		11.81	11.77	11.95	11.97	11.94	442.88	446.08	448.13	456.06	460.88
General building contractors	15	10.62	10.53	10.73	10.75	-	390.82	390.66	398.08	402.05	-
Residential building construction	152	9.77	9.69	9.93	9.94	-	354.65	356.59	361.45	369.77	-
Operative builders	153	8.26	8.83	8.98	8.88	-	326.27	357.62	353.81	348.10	-
Nonresidential building construction	154	11.65	11.53	11.62	11.68	-	429.89	428.92	435.75	439.17	-
Heavy construction contractors	16	11.61	11.71	11.60	11.68	-	472.53	485.97	474.44	485.89	-
Highway and street construction	161	10.10	10.51	10.29	10.71	-	419.15	450.88	421.89	450.89	-
Heavy construction, except highway	162	12.33	12.35	12.16	12.18	-	496.90	503.88	497.34	503.03	-
Special trade contractors	17	12.44	12.37	12.64	12.64	-	454.06	456.45	462.62	470.21	-
Plumbing, heating, and air conditioning	171	12.59	12.54	12.51	12.56	-	468.35	477.77	465.37	478.54	-
Painting, paper hanging, and decorating	172	11.30	11.27	11.41	11.30	-	396.63	402.34	401.63	405.67	-
Electrical work	173	13.90	14.00	14.07	14.20	-	530.98	525.00	543.10	553.80	-
Masonry, stonework, and plastering	174	12.32	12.34	12.54	12.60	-	432.43	431.90	437.65	441.00	-
Carpentering and flooring	175	11.84	11.38	11.65	11.49	-	416.77	402.85	398.43	399.85	-
Roofing and sheet metal work	176	10.92	10.80	11.04	11.03	-	365.82	378.00	367.63	387.15	-
Manufacturing		8.77	8.79	9.11	9.10	9.13	349.92	354.24	372.60	370.37	373.42
Durable goods		9.31	9.34	9.67	9.66	9.69	376.12	381.07	402.27	399.92	403.10
Lumber and wood products	24	7.77	7.84	7.89	7.90	7.96	312.35	319.87	317.18	316.79	319.20
Logging camps and logging contractors	241	10.01	10.21	10.42	10.43	-	398.40	409.42	402.21	405.73	-
Sawmills and planing mills	242	8.20	8.31	8.35	8.35	-	333.74	345.70	343.19	340.68	-
Sawmills and planing mills, general	2421	8.65	8.78	8.78	8.78	-	353.79	367.00	362.61	360.86	-
Hardwood dimension and flooring	2426	5.54	5.51	5.80	5.78	-	220.49	225.36	232.00	230.04	-
Millwork, plywood, and structural members	243	7.65	7.64	7.75	7.70	-	308.30	312.48	314.65	310.31	-
Millwork	2431	7.77	7.79	7.90	7.90	-	311.58	319.39	318.37	313.63	-
Wood kitchen cabinets	2434	6.92	6.90	7.06	7.02	-	274.72	274.62	286.64	285.01	-
Hardwood veneer and plywood	2435	6.14	6.11	6.29	6.28	-	243.76	250.51	255.37	253.71	-
Softwood veneer and plywood	2436	9.33	9.41	9.64	9.50	-	393.73	396.16	399.10	386.65	-
Wood containers	244	5.65	5.62	5.72	5.70	-	218.66	220.30	220.79	219.45	-
Wood buildings and mobile homes	245	6.95	6.82	7.04	7.11	-	274.53	273.48	268.22	273.02	-
Mobile homes	2451	6.99	6.84	7.09	7.20	-	281.00	276.34	273.67	277.20	-
Miscellaneous wood products	249	6.59	6.57	6.75	6.76	-	267.55	266.74	275.40	275.81	-
Furniture and fixtures	25	6.52	6.60	6.76	6.79	6.84	254.28	263.34	267.02	267.53	270.86
Household furniture	251	6.02	6.05	6.23	6.23	-	234.18	240.19	243.59	241.72	-
Wood household furniture	2511	5.53	5.55	5.71	5.70	-	214.56	219.78	224.97	224.01	-
Upholstered household furniture	2512	6.42	6.48	6.77	6.75	-	246.53	255.96	260.65	254.48	-
Metal household furniture	2514	6.28	6.24	6.27	6.31	-	251.83	255.22	253.94	254.29	-
Mattresses and bedsprings	2515	6.88	6.94	6.96	7.04	-	269.01	276.21	256.82	259.78	-
Office furniture	252	7.04	7.32	7.42	7.45	-	275.97	292.80	301.99	305.45	-
Public building and related furniture	253	7.17	7.27	7.46	7.54	-	285.37	291.53	298.40	300.09	-
Partitions and fixtures	254	8.13	8.18	8.21	8.27	-	313.82	323.11	325.94	330.80	-
Miscellaneous furniture and fixtures	259	7.11	7.29	7.25	7.24	-	290.80	303.26	292.90	293.94	-
Stone, clay, and glass products	32	9.19	9.27	9.51	9.53	9.56	380.47	390.27	401.32	404.07	407.26
Flat glass	321	12.00	12.30	12.99	12.95	-	506.40	544.89	580.65	578.87	-
Glass and glassware, pressed or blown	322	9.94	10.01	10.44	10.43	-	403.56	409.41	430.13	428.67	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	40.9	40.9	41.6	41.3	-	4.6	4.7	4.9	4.8	-
Pressed and blown glass, nec	3229	40.3	41.0	40.8	40.9	-	2.8	3.0	3.3	3.3	-
Products of purchased glass	323	40.1	40.0	41.6	40.9	-	2.5	2.5	3.5	3.4	-
Cement, hydraulic	324	41.7	42.2	42.6	41.8	-	3.0	3.0	3.5	2.7	-
Structural clay products	325	41.5	41.8	42.2	42.5	-	3.4	3.6	3.8	4.0	-
Pottery and related products	326	39.0	38.6	39.6	38.8	-	1.6	1.6	2.4	2.1	-
Concrete, gypsum, and plaster products	327	42.5	44.1	43.0	44.2	-	5.6	6.5	6.4	7.0	-
Concrete block and brick	3271	45.3	46.3	44.6	44.5	-	7.2	8.0	6.8	6.9	-
Concrete products, nec	3272	42.1	42.8	42.8	43.1	-	4.3	4.8	5.6	5.0	-
Ready-mixed concrete	3273	41.8	44.0	42.0	44.3	-	5.9	7.2	6.4	7.7	-
Misc. nonmetallic mineral products	329	41.2	41.5	42.5	42.4	-	2.9	3.3	4.5	4.3	-
Abrasive products	3291	40.3	40.7	42.2	42.2	-	2.4	2.6	3.2	3.0	-
Asbestos products	3292	42.8	43.2	43.6	43.4	-	2.7	3.7	4.6	4.9	-
Primary metal industries											
Blast furnaces and basic steel products	331	38.9	39.4	41.9	41.5	42.0	2.0	2.2	3.7	3.3	-
Blast furnaces and steel mills	3312	38.5	39.1	41.6	41.2	-	1.9	2.1	3.6	3.3	-
Steel pipe and tubes	3317	40.5	40.5	42.4	42.6	-	2.8	2.6	3.8	3.9	-
Iron and steel foundries	332	39.6	40.1	41.8	41.7	-	2.3	2.6	3.8	3.9	-
Gray iron foundries	3321	39.9	39.9	41.7	41.7	-	2.7	2.8	4.1	4.2	-
Malleable iron foundries	3322	39.3	40.3	40.6	40.8	-	1.8	2.4	2.8	2.5	-
Steel foundries, nec	3325	38.4	39.7	41.5	41.2	-	1.4	1.9	3.3	3.0	-
Primary nonferrous metals	333	40.8	41.3	42.2	42.2	-	2.8	3.0	3.3	3.5	-
Primary aluminum	3334	40.7	41.0	42.3	42.4	-	3.1	2.9	3.7	3.9	-
Nonferrous rolling and drawing	335	42.1	42.4	43.9	43.3	-	4.1	4.4	5.7	5.3	-
Copper rolling and drawing	3351	42.1	43.0	45.7	45.0	-	3.6	3.7	6.6	6.1	-
Aluminum sheet, plate, and foil	3353	42.6	41.1	43.7	43.1	-	5.9	5.9	6.5	6.0	-
Nonferrous wire drawing and insulating	3357	41.5	41.9	43.0	42.9	-	3.4	3.8	5.1	5.0	-
Nonferrous foundries	336	40.8	41.0	42.2	41.7	-	3.2	3.3	4.0	3.8	-
Aluminum foundries	3361	41.1	41.5	42.6	41.9	-	3.3	3.4	4.2	4.0	-
Fabricated metal products											
Metal cans and shipping containers	341	42.8	43.4	42.8	42.5	-	4.6	5.0	4.7	4.9	-
Metal cans	3411	42.8	43.5	42.8	42.3	-	4.6	5.0	4.7	4.9	-
Cutlery, hand tools, and hardware	342	40.1	40.4	41.0	40.9	-	2.3	2.6	3.0	2.9	-
Hand and edge tools, and hand saws and blades	3423.5	39.1	39.7	40.5	40.4	-	1.5	1.8	2.2	2.1	-
Hardware, nec	3429	40.3	40.7	41.3	41.0	-	2.8	3.1	3.4	3.4	-
Plumbing and heating, except electric	343	39.6	40.4	40.5	40.0	-	1.7	2.2	2.6	2.3	-
Plumbing fittings and brass goods	3432	39.7	40.2	41.0	40.8	-	1.9	2.1	3.1	2.8	-
Heating equipment, except electric	3433	38.9	40.0	39.7	38.7	-	.9	.5	1.7	1.2	-
Fabricated structural metal products	344	39.6	40.3	40.4	40.7	-	2.2	2.7	2.6	2.8	-
Fabricated structural metal	3441	39.7	40.7	40.8	41.3	-	2.3	2.9	3.0	3.4	-
Metal doors, sash, and trim	3442	39.7	40.4	39.7	40.2	-	2.1	3.0	2.0	2.3	-
Fabricated plate work (boiler shops)	3443	39.6	40.2	41.2	41.4	-	1.9	2.3	2.8	2.9	-
Sheet metal work	3444	39.3	39.9	40.0	40.2	-	2.3	2.5	2.9	2.9	-
Architectural metal work	3446	40.3	40.5	40.9	40.3	-	2.3	2.9	3.0	2.1	-
Screw machine products, bolts, etc	345	40.3	40.7	43.2	42.9	-	2.7	2.8	4.9	4.8	-
Screw machine products	3451	39.5	40.1	42.5	42.1	-	2.1	2.5	4.7	4.3	-
Bolts, nuts, rivets, and washers	3452	41.0	41.3	43.9	43.8	-	3.2	3.2	5.2	5.2	-
Metal forgings and stampings	346	42.0	42.0	43.2	42.9	-	3.8	3.9	5.0	4.8	-
Iron and steel forgings	3462	40.3	40.6	42.8	42.5	-	2.6	3.2	4.5	4.4	-
Automotive stampings	3465	44.6	43.9	45.6	45.1	-	5.6	5.5	6.9	6.4	-
Metal stampings, nec	3469	40.0	40.2	41.0	40.8	-	2.5	2.7	3.4	3.3	-
Metal services, nec	347	40.0	40.0	41.2	40.9	-	2.9	3.2	3.7	3.4	-
Plating and polishing	3471	39.7	39.9	41.1	40.7	-	2.7	3.1	3.6	3.2	-
Metal coating and allied services	3479	40.6	40.1	41.4	41.3	-	3.4	3.3	3.8	4.0	-
Ordnance and accessories, nec	348	40.4	40.4	41.4	41.1	-	1.8	1.9	2.6	2.4	-
Ammunition, except for small arms, nec	3483	40.8	40.5	40.6	40.0	-	1.2	1.2	1.5	1.4	-
Misc. fabricated metal products	349	39.5	40.0	41.2	41.1	-	1.9	2.2	3.0	3.1	-
Valves and pipe fittings	3494	38.4	38.9	41.2	41.4	-	1.4	1.9	3.2	3.2	-
Misc. fabricated wire products	3496	39.8	41.1	40.9	40.6	-	2.0	2.4	3.1	3.1	-
Machinery, except electrical											
Engines and turbines	35	39.9	40.3	42.1	41.8	41.9	2.2	2.5	3.6	3.5	-
Turbines and turbine generator sets	351	39.5	39.1	42.6	41.6	-	2.0	2.0	4.6	3.9	-
Internal combustion engines, nec	3511	38.7	37.4	40.3	40.0	-	2.4	2.4	3.2	3.1	-
Farm and garden machinery	3519	39.8	39.8	43.3	42.1	-	1.8	1.8	5.0	4.1	-
Farm machinery and equipment	352	39.8	40.1	41.3	40.9	-	1.8	2.2	5.0	2.7	-
.....	3522	39.3	39.9	41.1	40.9	-	2.0	2.3	2.8	2.7	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$10.38	\$10.47	\$11.04	\$11.02	-	\$424.54	\$428.22	\$459.26	\$455.13	-
Pressed and blown glass, nec	3229	9.34	9.40	9.74	9.75	-	376.40	385.40	397.39	398.78	-
Products of purchased glass	323	8.10	7.79	7.88	7.86	-	324.81	311.60	327.81	321.47	-
Cement, hydraulic	324	13.18	13.10	13.49	13.44	-	549.61	552.82	574.67	561.79	-
Structural clay products	325	7.38	7.32	7.71	7.70	-	306.27	305.98	325.36	327.25	-
Pottery and related products	326	7.79	7.95	8.03	8.08	-	303.81	306.87	317.99	313.50	-
Concrete, gypsum, and plaster products	327	8.95	9.13	9.35	9.45	-	380.38	402.63	402.05	417.69	-
Concrete block and brick	3271	7.78	7.71	8.02	8.05	-	352.43	356.97	357.69	358.23	-
Concrete products, nec	3272	7.86	7.97	8.36	8.33	-	330.91	341.12	357.81	359.02	-
Ready-mixed concrete	3273	9.89	10.13	10.29	10.42	-	413.40	445.72	432.18	461.61	-
Misc. nonmetallic mineral products	329	9.10	9.13	9.40	9.37	-	374.92	378.90	399.50	397.29	-
Abrasive products	3291	8.88	8.68	8.92	9.02	-	357.86	353.28	376.42	380.64	-
Asbestos products	3292	8.93	9.05	9.75	9.73	-	382.20	390.96	425.10	422.28	-
Primary metal industries	33	11.28	11.24	11.51	11.49	\$11.51	451.20	455.22	488.02	482.58	\$486.87
Blast furnaces and basic steel products	331	12.74	12.69	13.12	13.09	13.08	495.59	499.99	549.73	543.24	549.36
Blast furnaces and steel mills	3312	13.24	13.19	13.65	13.63	-	509.74	515.73	567.84	561.56	-
Steel pipe and tubes	3317	10.27	10.29	10.54	10.60	-	415.94	416.75	446.90	451.56	-
Iron and steel foundries	332	9.86	9.92	10.06	10.11	-	390.46	397.79	420.51	421.59	-
Gray iron foundries	3321	10.12	10.14	10.31	10.38	-	403.79	404.59	429.93	432.85	-
Malleable iron foundries	3322	10.50	10.55	10.77	10.76	-	412.65	425.17	437.26	439.01	-
Steel foundries, nec	3325	9.37	9.61	9.56	9.55	-	359.81	381.52	396.74	393.46	-
Primary nonferrous metals	333	13.61	13.37	13.30	13.36	-	555.29	552.18	561.26	563.79	-
Primary aluminum	3334	14.43	13.92	13.79	13.94	-	587.30	570.72	583.32	591.06	-
Nonferrous rolling and drawing	335	10.72	10.60	10.98	10.94	-	451.31	449.44	482.02	473.70	-
Copper rolling and drawing	3351	9.34	9.39	10.05	10.01	-	393.21	403.77	459.29	450.45	-
Aluminum sheet, plate, and foil	3353	14.44	13.97	14.07	14.03	-	615.14	574.17	614.86	604.69	-
Nonferrous wire drawing and insulating	3357	9.81	9.88	10.36	10.34	-	407.12	413.97	445.48	443.59	-
Nonferrous foundries	336	8.79	8.76	9.04	8.98	-	358.63	359.16	381.49	374.47	-
Aluminum foundries	3361	8.98	8.93	9.27	9.18	-	369.08	370.60	394.90	384.64	-
Fabricated metal products	34	9.06	9.08	9.34	9.33	9.34	365.12	369.56	387.61	386.26	390.41
Metal cans and shipping containers	341	12.12	12.15	12.45	12.35	-	518.74	527.31	532.86	524.88	-
Metal cans	3411	12.69	12.73	13.10	12.98	-	543.13	553.76	560.68	549.05	-
Cutlery, hand tools, and hardware	342	8.82	8.86	9.12	9.15	-	353.68	357.94	373.92	374.24	-
Hand and edge tools, and hand saws and blades	3423.5	8.14	8.17	8.45	8.47	-	318.27	324.35	342.23	342.19	-
Hardware, nec	3429	9.19	9.22	9.44	9.49	-	370.36	375.25	389.87	389.09	-
Plumbing and heating, except electric	343	7.99	8.05	8.33	8.28	-	316.40	325.22	337.37	331.20	-
Plumbing fittings and brass goods	3432	7.64	7.66	8.08	8.06	-	303.31	307.93	331.28	328.85	-
Heating equipment, except electric	3433	8.04	8.13	8.30	8.23	-	312.76	325.20	329.51	318.50	-
Fabricated structural metal products	344	8.69	8.72	8.82	8.83	-	344.12	351.42	356.33	359.38	-
Fabricated structural metal	3441	9.07	9.26	9.35	9.41	-	360.08	376.88	381.48	388.63	-
Metal doors, sash, and trim	3442	6.83	6.84	7.10	7.05	-	271.15	276.34	281.87	283.41	-
Fabricated plate work (boiler shops)	3443	9.84	9.92	9.85	9.91	-	389.66	398.78	405.82	410.27	-
Sheet metal work	3444	8.95	8.93	8.97	9.02	-	351.74	356.31	358.80	362.60	-
Architectural metal work	3446	8.86	8.86	9.10	8.99	-	357.06	358.83	372.19	362.30	-
Screw machine products, bolts, etc	345	8.45	8.46	8.72	8.70	-	340.54	344.32	376.70	373.23	-
Screw machine products	3451	7.73	7.77	8.03	8.02	-	305.34	311.58	341.28	337.64	-
Bolts, nuts, rivets, and washers	3452	9.10	9.10	9.42	9.40	-	373.10	375.83	413.54	411.72	-
Metal forgings and stampings	346	10.41	10.44	10.88	10.86	-	437.22	438.48	470.02	465.89	-
Iron and steel forgings	3462	11.45	11.56	11.99	12.02	-	461.44	469.34	513.17	510.85	-
Automotive stampings	3465	12.13	12.20	12.80	12.72	-	541.00	535.58	583.68	573.67	-
Metal stampings, nec	3469	8.19	8.18	8.34	8.37	-	327.60	328.84	341.94	341.50	-
Metal services, nec	347	7.17	7.23	7.49	7.49	-	286.80	289.20	308.59	306.34	-
Plating and polishing	3471	7.01	7.08	7.35	7.33	-	278.30	282.49	302.09	298.33	-
Metal coating and allied services	3479	7.55	7.59	7.81	7.88	-	306.53	304.36	323.33	325.44	-
Ordinance and accessories, nec	348	9.34	9.44	9.95	9.91	-	377.34	381.38	411.93	407.30	-
Ammunition, except for small arms, nec	3483	8.84	9.00	9.53	9.55	-	360.67	364.50	386.92	382.00	-
Misc. fabricated metal products	349	8.46	8.47	8.76	8.73	-	334.17	338.80	360.91	358.80	-
Valves and pipe fittings	3494	8.97	9.04	9.29	9.31	-	344.45	351.66	382.75	385.43	-
Misc. fabricated wire products	3496	7.45	7.51	7.88	7.87	-	296.51	308.66	322.29	319.52	-
Machinery, except electrical	35	9.51	9.55	9.91	9.90	9.93	379.45	384.87	417.21	413.82	416.07
Engines and turbines	351	11.83	11.90	12.74	12.68	-	457.29	465.29	542.72	527.49	-
Turbines and turbine generator sets	3511	11.23	11.39	11.97	12.03	-	434.60	425.99	482.39	481.20	-
Internal combustion engines, nec	3519	12.09	12.09	12.97	12.88	-	481.18	481.18	551.00	522.25	-
Farm and garden machinery	352	9.44	9.55	9.62	9.65	-	375.71	382.96	397.21	384.69	-
Farm machinery and equipment	3523	9.92	10.05	10.12	10.11	-	394.62	401.00	414.92	413.50	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^b	May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^b
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	39.1	39.9	41.5	41.2	-	1.7	2.1	3.1	2.9	-
Construction machinery	3531	39.5	40.8	41.6	41.2	-	1.7	2.2	2.5	2.6	-
Mining machinery	3532	38.5	38.8	41.7	40.9	-	1.1	1.0	3.1	2.5	-
Oil field machinery	3533	39.2	39.6	42.2	41.8	-	2.1	2.6	4.0	3.3	-
Conveyors and conveying equipment	3535	38.7	39.5	39.9	40.5	-	1.7	2.0	2.8	2.9	-
Industrial trucks and tractors	3537	38.2	39.0	41.5	41.3	-	1.4	2.2	3.4	3.6	-
Metalworking machinery	354	39.8	40.1	42.9	42.6	-	2.7	2.9	4.6	4.5	-
Machine tools, metal cutting types	3541	37.9	38.1	42.4	42.3	-	1.2	1.2	3.8	3.4	-
Machine tools, metal forming types	3542	37.1	36.7	42.0	41.6	-	2.1	2.0	3.6	3.6	-
Special dies, tools, jigs, and fixtures	3544	41.0	41.3	43.6	43.2	-	3.7	3.8	5.3	5.3	-
Machine tool accessories	3545	39.2	39.7	42.5	42.6	-	1.9	2.3	4.2	4.4	-
Power driven hand tools	3546	38.9	39.8	40.7	40.2	-	1.7	2.5	3.1	3.0	-
Special industry machinery	355	40.3	40.6	41.7	41.5	-	2.4	2.5	3.2	3.3	-
Food products machinery	3551	40.4	40.6	41.4	41.4	-	2.2	2.2	2.4	2.6	-
Textile machinery	3552	39.9	40.7	42.0	40.8	-	1.9	2.2	3.2	2.7	-
Printing trades machinery	3555	40.6	40.3	42.6	42.4	-	3.2	3.0	3.3	3.5	-
General industrial machinery	356	39.6	40.3	42.1	41.8	-	1.9	2.4	3.6	3.6	-
Pumps and pumping equipment	3561	39.4	40.1	42.1	41.8	-	1.4	1.9	3.6	3.5	-
Ball and roller bearings	3562	41.3	42.1	44.6	44.3	-	2.7	3.4	5.0	4.9	-
Air and gas compressors	3563	39.6	39.7	40.7	41.0	-	1.7	1.6	2.7	2.9	-
Blowers and fans	3564	39.8	40.3	40.4	40.7	-	1.6	2.0	2.1	2.5	-
Speed changers, drives, and gears	3566	37.9	38.7	40.4	40.5	-	1.6	2.1	3.1	3.2	-
Power transmission equipment, nec	3568	38.9	38.9	41.5	41.4	-	2.1	2.1	3.8	3.9	-
Office and computing machines	357	40.8	41.1	42.3	42.2	-	2.2	2.4	2.8	2.8	-
Electronic computing equipment	3573	41.0	41.3	42.3	42.3	-	2.4	2.6	2.9	2.8	-
Refrigeration and service machinery	358	40.1	40.5	41.9	41.5	-	1.8	2.5	3.8	3.8	-
Refrigeration and heating equipment	3585	40.8	41.0	42.2	41.8	-	2.1	2.6	3.9	4.0	-
Misc. machinery, except electrical	359	39.6	40.0	42.0	41.6	-	2.5	2.6	4.0	3.8	-
Carburetors, pistons, rings, and valves	3592	41.2	41.8	42.6	41.8	-	3.3	3.3	4.1	3.9	-
Machinery, except electrical, nec	3599	39.3	39.6	41.8	41.5	-	2.4	2.5	4.0	3.8	-
Electrical and electronic equipment											
Electric distributing equipment	361	39.4	39.6	40.9	40.8	-	1.8	2.2	2.6	2.5	-
Transformers	3612	39.8	39.9	41.1	41.4	-	1.7	2.4	2.6	2.9	-
Switchgear and switchboard apparatus	3613	39.0	39.3	40.8	40.2	-	1.8	2.0	2.6	2.3	-
Electrical industrial apparatus	362	39.6	40.2	41.1	41.2	-	2.1	2.5	3.0	3.3	-
Motors and generators	3621	40.6	41.0	41.7	41.8	-	2.4	2.8	3.4	3.5	-
Industrial controls	3622	38.8	39.4	40.0	40.4	-	1.8	2.1	2.4	3.0	-
Household appliances	363	38.9	39.5	40.3	39.5	-	1.5	1.7	2.4	2.2	-
Household refrigerators and freezers	3632	39.4	39.5	40.4	38.7	-	1.5	1.5	2.4	2.3	-
Household laundry equipment	3633	39.1	39.3	39.8	39.5	-	1.2	1.5	.8	.4	-
Electric housewares and fans	3634	38.6	39.5	40.1	39.9	-	1.3	1.8	2.5	2.3	-
Electric lighting and wiring equipment	364	41.0	41.0	41.3	41.1	-	2.6	2.7	3.3	3.1	-
Electric lamps	3641	42.6	42.5	43.0	42.1	-	2.8	2.7	3.8	3.1	-
Current-carrying wiring devices	3643	41.0	40.8	41.3	41.6	-	2.9	2.8	3.7	3.7	-
Noncurrent-carrying wiring devices	3644	39.8	39.6	40.4	39.8	-	1.8	2.0	2.2	1.7	-
Residential lighting fixtures	3645	41.5	40.5	39.3	39.0	-	2.3	2.0	2.1	1.7	-
Radio and TV receiving equipment	365	39.7	39.8	39.7	40.2	-	2.3	2.2	2.7	2.9	-
Radio and TV receiving sets	3651	40.0	40.3	40.6	40.4	-	2.5	2.5	3.1	3.0	-
Communication equipment	366	40.4	40.7	41.0	40.9	-	2.1	2.2	2.6	2.5	-
Telephone and telegraph apparatus	3661	40.6	41.0	40.9	40.7	-	2.2	2.6	3.0	2.8	-
Radio and TV communication equipment	3662	40.2	40.5	41.0	41.0	-	2.0	2.0	2.4	2.3	-
Electronic components and accessories	367	40.3	40.9	41.3	41.1	-	2.5	2.8	3.4	3.4	-
Electronic tubes	3671-3	40.3	41.2	43.4	42.9	-	1.7	2.0	3.5	3.3	-
Semiconductors and related devices	3674	40.7	41.5	41.8	41.4	-	3.0	3.4	4.2	4.0	-
Electronic components, nec	3679	40.5	40.8	40.9	41.1	-	2.5	2.8	3.3	3.4	-
Misc. electrical equipment and supplies	369	40.6	41.2	41.4	40.4	-	2.4	2.8	3.2	2.5	-
Storage batteries	3691	39.9	40.2	40.0	38.8	-	1.9	2.0	1.0	.9	-
Engine electrical equipment	3694	41.8	42.9	42.2	41.0	-	3.6	4.4	4.3	3.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$10.33	\$10.37	\$10.72	\$10.74	-	\$403.90	\$413.76	\$444.88	\$442.49	-
Construction machinery	3531	11.05	11.15	11.38	11.46	-	436.48	454.92	473.41	472.15	-
Mining machinery	3532	10.87	10.98	11.23	11.39	-	418.50	426.02	468.29	465.85	-
Oil field machinery	3533	10.59	10.62	11.16	11.07	-	415.13	420.55	470.95	462.73	-
Conveyors and conveying equipment	3535	8.87	8.80	9.29	9.37	-	343.27	347.60	370.67	379.49	-
Industrial trucks and tractors	3537	8.91	9.02	9.12	9.12	-	340.36	351.78	378.48	376.66	-
Metalworking machinery	354	9.73	9.78	10.04	10.02	-	387.25	392.18	430.72	426.85	-
Machine tools, metal cutting types	3541	9.94	9.89	10.18	10.10	-	376.73	376.81	431.63	427.23	-
Machine tools, metal forming types	3542	10.34	10.47	10.56	10.50	-	383.61	384.25	443.52	436.80	-
Special dies, tools, jigs, and fixtures	3544	10.29	10.37	10.62	10.59	-	421.89	428.28	463.03	457.49	-
Machine tool accessories	3545	8.82	8.88	9.16	9.23	-	345.74	352.54	389.30	393.20	-
Power driven hand tools	3546	7.70	7.73	8.03	8.06	-	299.53	307.65	326.82	324.01	-
Special industry machinery	355	9.25	9.27	9.60	9.61	-	372.78	376.36	400.32	398.82	-
Food products machinery	3551	9.73	9.66	10.03	10.18	-	393.09	392.20	415.24	421.45	-
Textile machinery	3552	7.22	7.29	7.55	7.57	-	288.08	296.70	317.10	308.86	-
Printing trades machinery	3555	9.70	9.64	9.81	9.71	-	393.82	388.49	417.91	411.70	-
General industrial machinery	356	9.38	9.44	9.69	9.70	-	371.45	380.43	407.95	405.46	-
Pumps and pumping equipment	3561	9.67	9.77	10.14	10.24	-	381.00	391.78	426.89	428.03	-
Ball and roller bearings	3562	9.39	9.41	9.94	9.98	-	387.81	396.16	443.32	442.11	-
Air and gas compressors	3563	9.96	9.99	9.53	9.47	-	394.42	396.60	387.87	388.27	-
Blowers and fans	3564	8.76	8.82	8.70	8.75	-	348.65	355.45	351.48	356.13	-
Speed changers, drives, and gears	3566	9.75	9.82	10.31	10.28	-	369.53	380.03	416.52	416.34	-
Power transmission equipment, nec	3568	9.36	9.32	9.92	9.98	-	364.10	362.55	411.68	413.17	-
Office and computing machines	357	8.46	8.48	8.86	8.85	-	345.17	348.53	374.78	373.47	-
Electronic computing equipment	3573	8.41	8.44	8.81	8.81	-	344.81	348.57	372.66	372.66	-
Refrigeration and service machinery	358	9.15	9.18	9.67	9.68	-	366.92	371.79	405.17	401.72	-
Refrigeration and heating equipment	3585	9.46	9.46	9.97	9.95	-	385.97	387.86	420.73	415.91	-
Misc. machinery, except electrical	359	9.45	9.45	9.72	9.73	-	374.22	378.00	408.24	404.77	-
Carburetors, pistons, rings, and valves	3592	10.68	10.88	11.68	11.59	-	440.02	454.78	497.57	484.46	-
Machinery, except electrical, nec	3599	9.21	9.18	9.37	9.39	-	361.95	363.53	391.67	389.69	-
Electrical and electronic equipment	36	8.58	8.61	8.89	8.87	\$8.89	344.06	349.57	364.49	361.90	\$363.60
Electric distributing equipment	361	8.21	8.27	8.47	8.50	-	323.47	327.49	346.42	346.80	-
Transformers	3612	8.06	8.10	8.37	8.38	-	320.79	323.19	344.01	346.93	-
Switchgear and switchboard apparatus	3613	8.33	8.41	8.55	8.60	-	324.87	330.51	348.84	345.72	-
Electrical industrial apparatus	362	8.68	8.69	9.00	9.00	-	343.73	349.34	369.90	370.80	-
Motors and generators	3621	8.72	8.70	8.99	8.99	-	354.03	356.70	374.88	375.78	-
Industrial controls	3622	8.41	8.48	8.77	8.77	-	326.31	334.11	350.80	354.31	-
Household appliances	363	8.39	8.46	8.88	8.86	-	326.37	334.17	357.86	349.97	-
Household refrigerators and freezers	3632	9.41	9.56	10.16	10.20	-	370.75	377.62	410.46	394.74	-
Household laundry equipment	3633	10.00	10.10	10.52	10.55	-	391.00	396.93	418.70	416.73	-
Electric housewares and fans	3634	6.67	6.64	6.85	6.83	-	257.46	262.28	274.69	272.52	-
Electric lighting and wiring equipment	364	7.95	8.03	8.34	8.37	-	325.95	329.23	344.44	344.01	-
Electric lamps	3641	9.15	9.12	9.60	9.49	-	389.79	387.60	412.80	399.53	-
Current-carrying wiring devices	3643	7.37	7.50	7.75	7.79	-	302.17	306.00	320.08	324.06	-
Noncurrent-carrying wiring devices	3644	8.31	8.28	8.63	8.61	-	330.74	327.89	348.65	342.68	-
Residential lighting fixtures	3645	6.25	6.33	6.49	6.56	-	259.38	256.37	255.06	255.84	-
Radio and TV receiving equipment	365	8.21	8.24	8.79	8.69	-	325.94	327.95	348.96	349.34	-
Radio and TV receiving sets	3651	8.53	8.53	9.07	9.06	-	341.20	343.76	368.24	366.02	-
Communication equipment	366	10.22	10.23	10.64	10.68	-	412.89	416.36	436.24	436.81	-
Telephone and telegraph apparatus	3661	10.24	10.25	10.48	10.57	-	415.74	420.25	428.63	430.20	-
Radio and TV communication equipment	3662	10.21	10.23	10.72	10.74	-	410.44	414.32	439.52	440.34	-
Electronic components and accessories	367	7.50	7.51	7.75	7.70	-	302.25	307.16	320.08	316.47	-
Electronic tubes	3671-3	9.54	9.59	10.08	10.02	-	384.46	395.11	437.47	429.86	-
Semiconductors and related devices	3674	8.46	8.60	9.07	8.93	-	344.32	356.90	379.13	369.70	-
Electronic components, nec	3679	7.02	6.96	7.12	7.10	-	284.31	283.97	291.21	291.81	-
Misc. electrical equipment and supplies	369	9.31	9.41	9.67	9.62	-	377.99	387.69	400.34	388.65	-
Storage batteries	3691	9.63	9.64	10.14	10.20	-	384.24	387.53	405.60	395.76	-
Engine electrical equipment	3694	9.94	10.15	10.42	10.31	-	415.49	435.44	439.72	422.71	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^a	May 1983	June 1983	Apr. 1984	May 1984 ^a	June 1984 ^a
Durable goods—Continued											
Transportation equipment	37	41.9	42.3	43.4	42.7	43.1	3.5	4.0	4.9	4.5	-
Motor vehicles and equipment	371	43.3	44.0	44.9	43.8	44.4	4.3	5.2	6.1	5.5	-
Motor vehicles and car bodies	3711	43.3	44.3	46.0	44.3	-	4.2	5.5	7.1	6.1	-
Truck and bus bodies	3713	40.1	40.5	40.4	39.9	-	1.8	2.4	2.8	2.7	-
Motor vehicle parts and accessories	3714	43.8	44.2	44.6	44.0	-	4.8	5.3	5.9	5.5	-
Truck trailers	3715	40.2	41.1	42.8	42.9	-	2.4	3.3	4.7	4.3	-
Aircraft and parts	372	41.0	40.8	41.8	41.7	-	2.7	2.8	3.5	3.4	-
Aircraft	3721	40.5	40.5	-	-	-	2.1	2.4	-	-	-
Aircraft engines and engine parts	3724	40.4	40.0	42.0	41.4	-	3.2	3.0	4.6	4.3	-
Aircraft equipment, nec	3728	42.5	42.2	42.1	42.4	-	3.3	3.4	3.6	3.8	-
Ship and boat building and repairing	373	39.6	39.9	41.5	41.3	-	2.4	2.7	3.6	3.6	-
Ship building and repairing	3731	39.5	39.9	41.4	-	-	2.5	2.8	3.5	-	-
Boat building and repairing	3732	39.9	39.6	41.8	41.4	-	2.3	2.3	3.9	3.3	-
Railroad equipment	374	38.1	39.3	41.0	41.6	-	1.4	2.1	2.8	2.7	-
Guided missiles, space vehicles, and parts	376	40.6	41.3	42.2	41.8	-	2.8	3.0	3.4	3.3	-
Guided missiles and space vehicles	3761	40.9	41.7	42.8	42.2	-	2.9	3.2	3.6	3.5	-
Miscellaneous transportation equipment	379	40.2	40.1	40.7	40.3	-	2.7	2.6	3.3	2.8	-
Travel trailers and campers	3792	40.3	40.1	39.8	38.8	-	3.0	3.0	2.9	2.3	-
Instruments and related products	38	40.3	40.2	41.1	40.9	41.3	1.7	1.9	2.4	2.3	-
Engineering and scientific instruments	381	40.9	40.7	41.0	40.8	-	2.3	2.1	2.3	2.3	-
Measuring and controlling devices	382	39.9	39.7	41.5	41.1	-	1.3	1.6	2.2	2.3	-
Environmental controls	3822	39.4	39.8	40.8	40.5	-	1.9	2.1	2.2	1.8	-
Process control instruments	3823	39.9	39.7	41.3	42.1	-	1.0	1.2	2.4	3.1	-
Instruments to measure electricity	3825	40.3	40.0	42.4	40.9	-	1.2	1.5	2.1	2.0	-
Optical instruments and lenses	383	41.9	42.7	43.6	43.1	-	2.5	2.8	3.7	3.6	-
Medical instruments and supplies	384	39.9	40.2	39.9	39.8	-	2.0	2.3	2.3	2.1	-
Surgical and medical instruments	3841	40.3	40.4	39.5	39.7	-	2.1	2.2	2.6	2.1	-
Surgical appliances and supplies	3842	39.6	40.1	40.2	39.9	-	1.9	2.5	2.1	2.1	-
Ophthalmic goods	385	39.8	39.0	39.7	39.7	-	1.4	1.8	1.6	1.6	-
Photographic equipment and supplies	386	41.1	40.6	42.4	42.2	-	1.6	1.8	2.6	2.4	-
Watches, clocks, and watchcases	387	40.3	40.5	41.2	40.6	-	3.0	2.5	2.8	2.0	-
Miscellaneous manufacturing	39	38.8	38.8	39.5	39.3	39.5	1.7	1.8	2.1	2.0	-
Jewelry, silverware, and plated ware	391	37.6	37.2	37.8	37.5	-	1.4	1.3	1.3	1.2	-
Jewelry, precious metal	3911	37.0	36.6	37.0	37.0	-	1.4	1.1	1.2	1.3	-
Musical instruments	393	38.9	38.2	39.7	38.8	-	1.0	1.0	1.4	1.2	-
Toys and sporting goods	394	38.9	39.0	40.0	40.1	-	1.5	1.8	2.3	2.1	-
Dolls, games, toys, and children's vehicles	3942,4	38.6	38.5	38.9	39.0	-	1.5	1.4	1.7	1.6	-
Sporting and athletic goods, nec	3949	39.2	39.4	41.1	41.0	-	1.6	2.1	2.9	2.6	-
Pens, pencils, office, and art supplies	395	40.4	40.3	40.4	41.0	-	2.0	2.3	2.4	2.5	-
Costume jewelry and notions	396	36.1	37.1	37.3	37.4	-	1.7	2.1	1.8	2.0	-
Costume jewelry	3961	33.7	34.6	35.7	36.3	-	1.5	1.7	1.5	1.5	-
Miscellaneous manufactures	399	39.6	39.6	40.1	39.6	-	2.1	2.0	2.2	2.2	-
Signs and advertising displays	3993	40.0	39.5	40.1	40.1	-	2.6	2.1	2.7	3.0	-
Nondurable goods		39.3	39.7	39.8	39.6	39.9	2.8	3.0	3.1	3.0	3.2
Food and kindred products	20	39.3	39.8	39.5	39.7	40.1	3.3	3.5	3.4	3.4	-
Meat products	201	39.3	40.1	38.6	39.4	-	3.4	3.8	3.0	3.3	-
Meat packing plants	2011	41.8	42.4	39.8	40.9	-	4.4	4.8	3.5	4.0	-
Sausages and other prepared meats	2013	40.2	41.1	39.0	39.5	-	3.7	4.6	3.0	3.2	-
Poultry dressing plants	2016	36.5	37.4	37.2	38.1	-	2.2	2.5	2.6	2.7	-
Dairy products	202	40.9	41.6	40.8	41.0	-	3.8	4.2	3.8	3.9	-
Cheese, natural and processed	2022	38.7	39.4	39.5	39.5	-	3.1	3.3	3.3	3.2	-
Fluid milk	2026	41.8	42.3	41.8	42.2	-	4.2	4.5	4.4	4.5	-
Preserved fruits and vegetables	203	38.4	37.8	39.0	38.8	-	2.7	2.9	3.2	3.0	-
Canned specialties	2032	39.9	39.7	39.8	40.2	-	3.3	3.8	4.2	4.2	-
Canned fruits and vegetables	2033	39.0	37.6	38.6	38.0	-	2.5	2.8	2.7	2.6	-
Frozen fruits and vegetables	2037	38.1	37.5	39.6	38.8	-	2.7	2.7	3.8	3.6	-
Grain mill products	204	42.1	42.7	42.5	42.5	-	4.7	4.9	4.9	4.9	-
Flour and other grain mill products	2041	45.6	46.1	44.7	44.4	-	6.2	5.9	6.3	5.6	-
Prepared feeds, nec	2048	42.5	43.4	42.4	42.5	-	5.1	5.7	4.8	4.9	-
Bakery products	205	38.4	38.7	38.9	38.6	-	3.1	3.1	3.0	3.1	-
Bread, cake, and related products	2051	37.8	38.2	38.2	38.1	-	3.3	3.4	3.3	3.4	-
Cookies and crackers	2052	40.0	39.8	40.5	40.0	-	2.6	2.3	2.3	2.3	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^o	June 1984 ^o	May 1983	June 1983	Apr. 1984	May 1984 ^o	June 1984 ^o
Durable goods—Continued											
Transportation equipment	37	\$11.51	\$11.62	\$12.06	\$12.04	\$12.09	\$482.27	\$491.53	\$523.40	\$514.11	\$521.08
Motor vehicles and equipment	371	11.97	12.12	12.56	12.53	12.64	518.30	533.28	563.94	548.81	561.22
Motor vehicles and car bodies	3711	13.15	13.33	13.93	13.96	-	569.40	590.52	640.78	618.43	-
Truck and bus bodies	3713	8.59	8.78	9.64	9.71	-	344.46	355.59	389.46	387.43	-
Motor vehicle parts and accessories	3714	11.47	11.59	12.07	12.00	-	502.39	512.28	538.32	528.00	-
Truck trailers	3715	8.47	8.67	8.87	8.81	-	340.49	356.34	379.64	377.95	-
Aircraft and parts	372	11.69	11.74	12.29	12.28	-	479.29	478.99	513.72	512.08	-
Aircraft	3721	12.45	12.51	-	-	-	504.23	506.66	-	-	-
Aircraft engines and engine parts	3724	11.41	11.44	12.22	12.18	-	460.96	457.60	513.24	504.25	-
Aircraft equipment, nec	3728	10.63	10.70	11.10	11.17	-	451.78	451.54	467.31	473.61	-
Ship and boat building and repairing	373	9.82	9.87	10.20	10.18	-	388.87	393.81	423.30	420.43	-
Ship building and repairing	3731	10.57	10.62	11.16	-	-	417.52	423.74	462.02	-	-
Boat building and repairing	3732	7.59	7.61	7.64	7.64	-	302.84	301.36	319.35	316.30	-
Railroad equipment	374	11.54	11.74	12.16	12.20	-	439.67	461.38	498.56	507.52	-
Guided missiles, space vehicles, and parts	376	11.54	11.60	11.84	11.89	-	468.52	479.08	499.65	497.00	-
Guided missiles and space vehicles	3761	11.79	11.85	12.06	12.10	-	482.21	494.15	516.17	510.62	-
Miscellaneous transportation equipment	379	9.39	9.33	9.53	9.64	-	377.48	374.13	387.87	388.49	-
Travel trailers and campers	3792	8.26	8.18	8.45	8.58	-	332.88	328.02	336.31	332.90	-
Instruments and related products	38	8.39	8.40	8.73	8.72	8.77	338.12	337.68	358.80	356.65	362.20
Engineering and scientific instruments	381	8.87	8.87	9.34	9.36	-	362.78	361.01	382.94	381.89	-
Measuring and controlling devices	382	8.34	8.37	8.66	8.68	-	332.77	332.29	359.39	356.75	-
Environmental controls	3822	7.80	7.85	8.17	8.15	-	307.32	312.43	333.34	330.08	-
Process control instruments	3823	8.38	8.42	8.86	8.80	-	334.36	334.27	365.92	370.48	-
Instruments to measure electricity	3825	8.69	8.68	8.95	8.99	-	350.21	347.20	379.48	367.69	-
Optical instruments and lenses	383	9.05	9.08	9.80	9.87	-	379.20	387.72	427.28	425.40	-
Medical instruments and supplies	384	7.32	7.31	7.70	7.66	-	292.07	293.86	307.23	304.87	-
Surgical and medical instruments	3841	7.36	7.34	7.82	7.76	-	296.61	296.54	308.89	308.07	-
Surgical appliances and supplies	3842	7.26	7.29	7.61	7.58	-	287.50	292.33	305.92	302.44	-
Ophthalmic goods	385	6.32	6.42	6.36	6.36	-	251.54	250.38	252.49	252.49	-
Photographic equipment and supplies	386	11.01	11.10	11.41	11.31	-	452.51	450.66	483.78	477.28	-
Watches, clocks, and watchcases	387	6.27	6.28	6.51	6.52	-	252.68	254.34	268.21	264.71	-
Miscellaneous manufacturing	39	6.80	6.79	6.97	7.00	7.00	263.84	263.45	275.32	275.10	276.50
Jewelry, silverware, and plated ware	391	7.26	7.22	7.55	7.47	-	272.98	268.58	285.39	280.13	-
Jewelry, precious metal	3911	7.11	7.07	7.55	7.52	-	263.07	258.76	279.35	278.24	-
Musical instruments	393	6.72	6.73	6.90	6.87	-	261.41	257.09	273.93	266.56	-
Toys and sporting goods	394	6.32	6.35	6.29	6.37	-	245.85	247.65	251.60	255.44	-
Dolls, games, toys, and children's vehicles	3942,4	6.10	6.13	6.12	6.10	-	235.46	236.01	238.07	237.90	-
Sporting and athletic goods, nec	3949	6.55	6.58	6.43	6.60	-	256.76	259.25	264.27	270.60	-
Pens, pencils, office, and art supplies	395	6.97	6.99	7.36	7.33	-	281.59	281.70	297.34	300.53	-
Costume jewelry and notions	396	5.66	5.66	5.83	5.86	-	204.33	209.99	217.46	219.16	-
Costume jewelry	3961	5.24	5.19	5.26	5.33	-	176.59	179.57	187.78	193.48	-
Miscellaneous manufactures	399	7.34	7.32	7.63	7.70	-	290.66	289.87	305.96	304.92	-
Signs and advertising displays	3993	8.07	7.92	8.21	8.34	-	322.80	312.84	329.22	334.43	-
Nondurable goods		8.04	8.05	8.29	8.29	8.32	315.97	319.59	329.94	328.28	331.37
Food and kindred products	20	8.21	8.20	8.43	8.41	8.42	322.65	326.36	332.99	333.88	337.64
Meat products	201	7.43	7.45	7.25	7.22	-	292.00	298.75	279.85	284.47	-
Meat packing plants	2011	8.55	8.57	8.20	8.19	-	357.39	363.37	326.36	334.97	-
Sausages and other prepared meats	2013	9.19	9.24	8.90	8.85	-	369.44	379.76	347.10	349.58	-
Poultry dressing plants	2016	5.27	5.35	5.48	5.46	-	192.36	200.09	203.86	208.03	-
Dairy products	202	8.46	8.48	8.70	8.68	-	346.01	352.77	354.96	355.88	-
Cheese, natural and processed	2022	8.13	8.13	8.35	8.29	-	314.63	320.32	329.83	327.46	-
Fluid milk	2026	8.71	8.73	8.88	8.87	-	364.08	369.28	371.18	374.31	-
Preserved fruits and vegetables	203	7.47	7.39	7.75	7.64	-	286.85	279.34	302.25	296.43	-
Canned specialties	2032	8.62	8.79	9.01	9.02	-	343.94	348.96	358.60	362.60	-
Canned fruits and vegetables	2033	7.61	7.45	7.91	7.84	-	296.79	280.12	305.33	297.92	-
Frozen fruits and vegetables	2037	6.89	6.80	7.32	7.19	-	262.51	255.00	289.87	278.97	-
Grain mill products	204	9.45	9.54	10.06	10.06	-	397.85	407.36	427.55	427.55	-
Flour and other grain mill products	2041	9.55	9.55	10.18	9.99	-	435.48	440.26	455.05	443.56	-
Prepared feeds, nec	2048	7.43	7.32	7.53	7.52	-	315.78	317.69	319.27	319.60	-
Bakery products	205	8.82	8.89	9.24	9.30	-	338.69	344.04	359.44	358.98	-
Bread, cake, and related products	2051	8.91	8.99	9.23	9.28	-	336.80	343.42	352.59	353.57	-
Cookies and crackers	2052	8.58	8.64	9.27	9.33	-	343.20	343.87	375.44	373.20	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Nondurable goods—Continued											
Printing and publishing	27	37.3	37.4	38.0	37.8	37.7	2.3	2.3	2.8	2.7	-
Newspapers	271	33.5	33.8	34.3	34.1	-	1.4	1.4	1.9	1.8	-
Periodicals	272	37.1	37.0	37.2	37.6	-	2.0	2.0	2.0	2.4	-
Books	273	38.8	38.2	40.5	39.7	-	2.8	2.4	3.5	3.3	-
Book publishing	2731	38.3	37.7	39.0	37.8	-	1.7	1.2	2.5	2.0	-
Book printing	2732	39.4	38.9	42.5	42.2	-	4.4	3.9	4.9	5.0	-
Miscellaneous publishing	274	35.6	36.3	37.5	36.5	-	1.4	1.7	1.5	1.7	-
Commercial printing	275	38.5	38.6	39.0	38.8	-	2.7	2.7	3.3	3.0	-
Commercial printing, letterpress	2751	38.2	38.3	38.7	38.3	-	2.4	2.4	3.1	2.7	-
Commercial printing, lithographic	2752	38.4	38.5	38.9	38.9	-	2.7	2.6	3.2	3.1	-
Manifold business forms	276	40.5	41.3	40.8	41.1	-	2.6	3.2	2.9	3.1	-
Blankbooks and bookbinding	278	38.5	38.8	39.4	39.1	-	1.9	1.8	1.9	2.1	-
Printing trade services	279	38.0	38.3	39.1	39.2	-	3.4	3.3	3.8	4.0	-
Chemicals and allied products	28	41.5	41.9	42.0	41.9	42.2	3.1	3.2	3.4	3.3	-
Industrial inorganic chemicals	281	41.2	41.7	42.3	42.3	-	2.7	2.9	3.3	3.3	-
Industrial inorganic chemicals, nec	2819	41.3	41.8	42.5	42.5	-	2.8	2.9	3.2	3.2	-
Plastics materials and synthetics	282	42.0	42.7	42.6	42.3	-	3.3	3.4	3.6	3.5	-
Plastics materials and resins	2821	42.6	43.0	43.4	43.4	-	4.0	4.2	4.9	4.8	-
Organic fibers, noncellulosic	2824	42.0	43.2	42.4	41.8	-	3.1	3.1	2.8	2.7	-
Drugs	283	41.0	41.5	40.9	40.6	-	2.7	2.6	2.6	2.5	-
Pharmaceutical preparations	2834	40.6	40.9	40.6	40.3	-	2.7	2.6	2.5	2.4	-
Soap, cleaners, and toilet goods	284	40.6	41.2	40.8	40.8	-	2.9	3.4	2.6	2.4	-
Soap and other detergents	2841	43.1	43.8	43.6	43.9	-	4.2	5.0	4.1	4.1	-
Toilet preparations	2844	39.3	40.0	39.1	38.8	-	2.5	2.8	1.8	1.4	-
Polishing, sanitation, and finishing preparations	2842,3	39.7	40.2	40.8	40.6	-	1.8	2.6	2.5	2.2	-
Paints and allied products	285	41.1	41.9	42.2	42.0	-	2.9	3.4	3.2	3.1	-
Industrial organic chemicals	286	42.4	42.6	42.8	43.3	-	3.4	3.6	4.2	4.1	-
Cyclic crudes and intermediates	2865	41.6	41.5	42.3	43.0	-	3.2	3.3	4.3	4.0	-
Gum, wood, and industrial organic chemicals, nec	2861,9	42.7	43.0	42.9	43.4	-	3.4	3.7	4.2	4.2	-
Agricultural chemicals	287	42.9	42.2	43.0	43.0	-	4.7	4.0	5.2	5.2	-
Miscellaneous chemical products	289	41.0	41.5	42.0	41.5	-	2.9	2.8	3.3	3.2	-
Petroleum and coal products	29	43.7	44.0	43.9	43.7	44.4	3.9	4.0	4.3	4.1	-
Petroleum refining	291	44.1	43.9	44.1	43.7	-	3.6	3.3	4.1	3.7	-
Paving and roofing materials	295	43.0	45.1	43.7	44.7	-	5.9	7.7	5.9	6.2	-
Rubber and misc. plastics products	30	41.1	41.3	42.1	41.7	41.9	3.4	3.5	4.2	3.7	-
Tires and inner tubes	301	42.4	41.5	45.6	44.9	-	3.7	3.1	6.2	5.1	-
Rubber and plastics footwear	302	38.5	38.6	39.8	40.2	-	1.8	1.7	2.5	3.2	-
Reclaimed rubber, and rubber and plastics hose and tubing	303,4	38.5	41.0	42.8	42.1	-	2.0	3.0	4.3	4.3	-
Fabricated rubber products, nec	306	40.4	40.9	41.7	41.5	-	2.6	3.1	3.6	3.2	-
Miscellaneous plastics products	307	41.3	41.4	41.7	41.2	-	3.6	3.7	4.0	3.6	-
Leather and leather products	31	37.1	37.8	37.0	36.9	37.4	1.4	1.6	1.3	1.3	-
Leather tanning and finishing	311	40.7	40.9	40.3	40.0	-	3.6	3.7	3.0	3.0	-
Footwear, except rubber	314	36.7	37.5	36.3	36.4	-	1.1	1.4	1.0	1.1	-
Men's footwear, except athletic	3143	37.1	38.2	36.6	36.3	-	.9	1.0	1.0	1.0	-
Women's footwear, except athletic	3144	36.6	37.4	36.1	36.4	-	1.5	1.7	1.0	1.2	-
Luggage	316	38.1	39.2	38.4	37.6	-	1.9	2.2	2.5	2.5	-
Handbags and personal leather goods	317	37.6	37.6	37.2	36.6	-	.9	1.4	1.3	1.3	-
Transportation and public utilities		38.7	39.1	39.3	39.2	39.5	-	-	-	-	-
Railroad transportation:											
Class I railroads ²	4011	40.8	42.0	43.3	42.4	-	-	-	-	-	-
Local and interurban passenger transit	41	34.0	33.6	33.4	34.1	-	-	-	-	-	-
Local and suburban transportation	411	38.4	38.6	37.7	38.1	-	-	-	-	-	-
Intercity highway transportation	413	37.3	36.1	35.7	36.8	-	-	-	-	-	-
Trucking and warehousing	42	36.3	39.0	38.9	38.8	-	-	-	-	-	-
Trucking and trucking terminals	421,3	38.3	39.1	38.9	38.9	-	-	-	-	-	-
Public warehousing	422	38.0	37.8	38.3	38.3	-	-	-	-	-	-
Pipe lines, except natural gas	46	41.1	41.9	39.4	38.8	-	-	-	-	-	-

See footnotes at end of table

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Nondurable goods—Continued											
Printing and publishing	27	\$9.04	\$9.05	\$9.29	\$9.29	\$9.28	\$337.19	\$338.47	\$353.02	\$351.16	\$349.86
Newspapers	271	9.16	9.12	9.43	9.40	-	306.86	308.26	323.45	320.54	-
Periodicals	272	9.53	9.45	9.94	9.98	-	353.56	349.65	369.77	375.25	-
Books	273	8.20	8.30	8.26	8.31	-	318.16	317.06	334.53	329.91	-
Book publishing	2731	7.87	7.94	7.99	7.92	-	301.42	299.34	311.61	299.38	-
Book printing	2732	8.65	8.77	8.57	8.75	-	340.81	341.15	364.23	369.25	-
Miscellaneous publishing	274	8.07	8.21	8.29	8.36	-	287.29	298.02	310.88	305.14	-
Commercial printing	275	9.34	9.36	9.56	9.55	-	359.59	361.30	372.84	370.54	-
Commercial printing, letterpress	2751	8.90	8.88	9.14	9.11	-	339.98	340.10	353.72	348.91	-
Commercial printing, lithographic	2752	9.47	9.49	9.75	9.73	-	363.65	365.37	379.28	378.50	-
Manifold business forms	276	9.09	9.24	9.48	9.44	-	368.15	381.61	386.78	387.98	-
Blankbooks and bookbinding	278	7.12	7.11	7.36	7.44	-	274.12	275.87	289.98	290.90	-
Printing trade services	279	10.88	10.67	11.38	11.26	-	413.44	408.66	444.96	441.39	-
Chemicals and allied products	28	10.50	10.52	10.97	10.99	11.03	435.75	440.79	460.74	460.48	465.47
Industrial inorganic chemicals	281	11.54	11.54	12.22	12.21	-	475.45	481.22	516.91	516.48	-
Industrial inorganic chemicals, nec	2819	11.65	11.58	12.18	12.21	-	481.15	484.04	517.65	518.93	-
Plastics materials and synthetics	282	10.51	10.56	10.96	10.98	-	441.42	450.91	466.90	464.45	-
Plastics materials and resins	2821	11.36	11.48	11.88	11.94	-	483.94	493.64	515.59	518.20	-
Organic fibers, noncellulosic	2824	10.10	10.12	10.55	10.51	-	424.20	437.18	447.32	439.32	-
Drugs	283	9.62	9.53	10.24	10.13	-	394.42	395.50	418.82	411.28	-
Pharmaceutical preparations	2834	9.31	9.27	9.81	9.80	-	377.99	379.14	398.29	394.94	-
Soap, cleaners, and toilet goods	284	9.66	9.68	9.84	9.90	-	392.20	398.82	401.47	403.92	-
Soap and other detergents	2841	12.47	12.55	12.77	12.73	-	537.46	549.69	556.77	558.85	-
Toilet preparations	2844	7.86	7.89	8.10	8.16	-	308.90	315.60	316.71	316.61	-
Polishing, sanitation, and finishing preparations	2842,3	9.07	9.07	9.25	9.29	-	360.08	364.61	377.40	377.17	-
Paints and allied products	285	9.33	9.33	9.68	9.66	-	383.46	390.93	408.50	405.72	-
Industrial organic chemicals	286	12.63	12.74	13.27	13.37	-	535.51	542.72	567.96	578.92	-
Cyclic crudes and intermediates	2865	11.90	11.91	12.72	12.73	-	495.04	494.27	538.06	547.39	-
Gum, wood, and industrial organic chemicals, nec	2861,9	12.86	12.99	13.44	13.57	-	549.12	558.57	576.58	588.94	-
Agricultural chemicals	287	9.89	9.96	10.38	10.40	-	424.28	420.31	446.34	447.20	-
Miscellaneous chemical products	289	9.48	9.60	9.92	9.91	-	388.68	398.40	416.64	411.27	-
Petroleum and coal products	29	13.18	13.19	13.44	13.28	13.28	575.97	580.36	590.02	580.34	589.63
Petroleum refining	291	14.23	14.27	14.57	14.43	-	627.54	626.45	642.54	630.59	-
Paving and roofing materials	295	9.58	9.81	9.86	9.90	-	411.94	442.43	430.88	442.53	-
Rubber and misc. plastics products	30	7.94	7.93	8.25	8.22	8.27	326.33	327.51	347.33	342.77	346.51
Tires and inner tubes	301	12.17	12.20	13.04	12.88	-	516.01	506.30	594.62	578.31	-
Rubber and plastics footwear	302	5.17	5.05	5.22	5.26	-	199.05	194.93	207.76	211.45	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.15	8.19	8.21	8.26	-	313.78	335.79	351.39	347.75	-
Fabricated rubber products, nec	306	7.58	7.66	7.91	7.96	-	306.23	313.29	329.85	330.34	-
Miscellaneous plastics products	307	7.30	7.30	7.57	7.55	-	301.49	302.22	315.67	311.06	-
Leather and leather products	31	5.52	5.50	5.68	5.68	5.67	204.79	207.90	210.16	209.59	212.06
Leather tanning and finishing	311	7.51	7.48	7.37	7.48	-	305.66	305.93	297.01	299.20	-
Footwear, except rubber	314	5.24	5.24	5.43	5.39	-	192.31	196.50	197.11	196.20	-
Men's footwear, except athletic	3143	5.45	5.48	5.70	5.71	-	202.20	209.34	208.62	207.27	-
Women's footwear, except athletic	3144	5.15	5.11	5.27	5.19	-	188.49	191.11	190.25	188.92	-
Luggage	316	6.06	6.03	6.31	6.30	-	230.89	236.38	242.30	236.88	-
Handbags and personal leather goods	317	5.20	5.14	5.41	5.54	-	195.52	193.26	201.25	202.76	-
Transportation and public utilities		10.73	10.72	11.07	11.04	11.03	415.25	419.15	435.05	432.77	435.69
Railroad transportation:											
Class I railroads ²	4011	12.68	12.63	13.32	13.34	-	517.34	530.46	576.76	565.62	-
Local and interurban passenger transit	41	7.33	7.55	7.56	7.50	-	249.22	253.68	252.50	255.75	-
Local and suburban transportation	411	7.93	8.04	8.24	8.12	-	304.51	310.34	310.65	309.37	-
Intercity highway transportation	413	11.51	11.91	11.74	11.49	-	429.32	429.95	419.12	422.83	-
Trucking and warehousing	42	10.43	10.35	10.52	10.47	-	399.47	403.65	409.23	406.24	-
Trucking and trucking terminals	421,3	10.62	10.53	10.70	10.64	-	406.75	411.72	416.23	413.90	-
Public warehousing	422	7.58	7.62	7.73	7.84	-	288.04	288.04	296.06	300.27	-
Pipe lines, except natural gas	46	14.09	14.03	14.73	14.77	-	579.10	587.86	580.36	573.08	-

¹ See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P	May 1983	June 1983	Apr. 1984	May 1984 ^P	June 1984 ^P
Transportation and public utilities—Continued											
Communication	48	39.1	39.5	39.5	39.7	-	-	-	-	-	-
Telephone communication	481	39.5	39.9	39.9	40.3	-	-	-	-	-	-
Radio and television broadcasting	483	37.4	37.4	37.5	37.0	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.2	41.3	41.3	41.3	-	-	-	-	-	-
Electric services	491	41.4	41.6	41.5	41.6	-	-	-	-	-	-
Gas production and distribution	492	40.2	40.9	40.5	40.9	-	-	-	-	-	-
Combination utility services	493	41.6	41.2	41.8	41.2	-	-	-	-	-	-
Sanitary services	495	42.1	41.9	41.4	41.9	-	-	-	-	-	-
Wholesale trade		38.4	38.6	38.5	38.6	38.7	-	-	-	-	-
Durable goods	50	38.8	39.0	39.1	39.1	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.4	38.9	38.9	39.2	-	-	-	-	-	-
Furniture and home furnishings	502	37.1	37.0	38.1	37.6	-	-	-	-	-	-
Lumber and construction materials	503	39.2	39.5	39.1	39.3	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	38.3	38.2	38.4	38.6	-	-	-	-	-	-
Metals and minerals, except petroleum	505	39.7	40.2	40.4	40.6	-	-	-	-	-	-
Electrical goods	506	38.9	38.9	38.8	38.7	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.5	38.8	38.6	38.6	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.3	39.4	39.4	39.5	-	-	-	-	-	-
Miscellaneous durable goods	509	37.4	37.6	38.0	38.1	-	-	-	-	-	-
Nondurable goods	51	37.8	38.0	37.7	37.8	-	-	-	-	-	-
Paper and paper products	511	37.3	37.0	37.3	36.9	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.0	37.7	37.3	37.3	-	-	-	-	-	-
Apparel, piece goods, and notions	513	37.0	37.0	36.7	36.4	-	-	-	-	-	-
Groceries and related products	514	38.4	38.7	38.2	38.2	-	-	-	-	-	-
Chemicals and allied products	516	39.1	39.3	38.9	38.9	-	-	-	-	-	-
Petroleum and petroleum products	517	38.8	39.3	39.1	39.3	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	35.7	36.1	36.0	36.0	-	-	-	-	-	-
Miscellaneous nondurable goods	519	37.7	37.8	37.5	37.9	-	-	-	-	-	-
Retail trade		29.7	30.1	29.8	30.0	30.3	-	-	-	-	-
Building materials and garden supplies	52	35.3	36.1	36.1	36.5	-	-	-	-	-	-
Lumber and other building materials	521	36.2	37.1	37.6	38.0	-	-	-	-	-	-
Hardware stores	525	33.2	34.2	33.0	33.0	-	-	-	-	-	-
General merchandise stores	53	29.1	29.7	29.0	29.4	-	-	-	-	-	-
Department stores	531	29.0	29.6	29.0	29.3	-	-	-	-	-	-
Variety stores	533	29.4	30.2	29.2	29.3	-	-	-	-	-	-
Misc. general merchandise stores	539	29.7	30.7	29.7	30.0	-	-	-	-	-	-
Food stores	54	30.3	31.1	30.4	30.7	-	-	-	-	-	-
Grocery stores	541	30.5	31.3	30.5	30.8	-	-	-	-	-	-
Retail bakeries	546	27.8	28.2	28.2	28.4	-	-	-	-	-	-
Automotive dealers and service stations	55	37.0	37.1	37.0	37.0	-	-	-	-	-	-
New and used car dealers	551,2	37.9	38.1	38.1	38.0	-	-	-	-	-	-
Auto and home supply stores	553	39.5	39.5	40.0	40.2	-	-	-	-	-	-
Gasoline service stations	554	34.9	34.8	34.1	34.3	-	-	-	-	-	-
Apparel and accessory stores	56	27.7	28.5	27.9	27.9	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	30.4	30.9	30.4	30.3	-	-	-	-	-	-
Women's ready-to-wear stores	562	26.9	27.8	27.0	27.1	-	-	-	-	-	-
Family clothing stores	565	27.7	28.6	28.1	28.1	-	-	-	-	-	-
Shoe stores	566	28.0	28.4	27.1	27.1	-	-	-	-	-	-
Furniture and home furnishings stores	57	34.2	34.4	34.0	34.1	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.6	34.2	34.0	34.2	-	-	-	-	-	-
Household appliance stores	572	33.7	34.4	34.1	34.7	-	-	-	-	-	-
Radio, television, and music stores	573	35.7	35.0	33.8	33.7	-	-	-	-	-	-
Eating and drinking places ³	58	26.4	26.5	26.4	26.5	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Transportation and public utilities—Continued											
Communication	48	\$10.66	\$10.71	\$11.11	\$11.12	-	\$416.81	\$423.05	\$438.85	\$441.46	-
Telephone communication	481	11.23	11.32	11.74	11.73	-	443.59	451.67	468.43	472.72	-
Radio and television broadcasting	483	8.84	8.88	9.60	9.69	-	330.62	332.11	360.00	358.53	-
Electric, gas, and sanitary services	49	11.41	11.38	12.07	12.07	-	470.09	469.99	498.49	498.49	-
Electric services	491	11.49	11.49	12.13	12.15	-	475.69	477.98	503.40	505.44	-
Gas production and distribution	492	10.39	10.27	11.09	11.07	-	417.68	420.04	449.15	452.76	-
Combination utility services	493	13.12	13.12	14.02	14.01	-	545.79	540.54	586.04	577.21	-
Sanitary services	495	8.78	8.98	8.97	9.04	-	369.64	376.26	371.36	378.78	-
Wholesale trade		8.49	8.49	8.89	8.85	\$8.86	326.02	327.71	342.27	341.61	\$342.88
Durable goods	50	8.46	8.45	8.86	8.82	-	328.25	329.55	346.43	344.86	-
Motor vehicles and automotive equipment	501	7.71	7.74	8.14	8.08	-	296.06	301.09	316.65	316.74	-
Furniture and home furnishings	502	7.51	7.54	7.89	7.75	-	278.62	278.98	300.61	291.40	-
Lumber and construction materials	503	8.19	8.18	8.53	8.48	-	321.05	323.11	333.52	333.26	-
Sporting goods, toys, and hobby goods	504	8.77	8.75	9.49	9.50	-	335.89	334.25	364.42	366.70	-
Metals and minerals, except petroleum	505	9.15	9.12	9.61	9.57	-	363.26	366.62	388.24	388.54	-
Electrical goods	506	9.21	9.09	9.19	9.12	-	358.27	353.60	356.57	352.94	-
Hardware, plumbing, and heating equipment	507	7.95	7.96	8.38	8.29	-	306.08	308.85	323.47	319.99	-
Machinery, equipment, and supplies	508	8.71	8.75	9.25	9.25	-	342.30	344.75	364.45	365.38	-
Miscellaneous durable goods	509	7.22	7.23	7.56	7.50	-	270.03	271.85	287.28	285.75	-
Nondurable goods	51	8.55	8.55	8.93	8.91	-	323.19	324.90	336.66	336.80	-
Paper and paper products	511	9.19	9.11	9.62	9.59	-	342.79	337.07	358.83	353.87	-
Drugs, proprietaries, and sundries	512	9.23	9.28	9.91	9.67	-	341.51	349.86	369.64	360.69	-
Apparel, piece goods, and notions	513	8.18	8.17	8.67	8.66	-	302.66	302.29	318.19	315.22	-
Groceries and related products	514	8.64	8.64	9.06	9.11	-	331.78	334.37	346.09	348.00	-
Chemicals and allied products	516	9.87	9.86	10.36	10.29	-	385.92	387.50	403.00	400.28	-
Petroleum and petroleum products	517	10.16	10.09	10.06	10.02	-	394.21	396.54	393.35	393.79	-
Beer, wine, and distilled beverages	518	10.35	10.42	10.65	10.66	-	369.50	376.16	383.40	383.76	-
Miscellaneous nondurable goods	519	6.88	6.89	7.25	7.22	-	259.38	260.44	271.88	273.64	-
Retail trade		5.72	5.73	5.90	5.88	5.88	169.88	172.47	175.82	176.40	178.16
Building materials and garden supplies	52	6.18	6.19	6.42	6.42	-	218.15	223.46	231.76	234.33	-
Lumber and other building materials	521	6.48	6.45	6.68	6.71	-	234.58	239.30	251.17	254.98	-
Hardware stores	525	5.49	5.46	5.64	5.59	-	182.27	186.73	186.12	184.47	-
General merchandise stores	53	5.62	5.60	5.78	5.75	-	163.54	166.32	167.62	169.05	-
Department stores	531	5.83	5.82	5.98	5.96	-	169.07	172.27	173.42	174.63	-
Variety stores	533	4.37	4.38	4.47	4.50	-	128.48	132.28	130.52	131.85	-
Misc. general merchandise stores	539	4.58	4.52	4.61	4.60	-	136.03	138.76	136.92	138.00	-
Food stores	54	7.48	7.48	7.72	7.69	-	226.64	232.63	234.69	236.08	-
Grocery stores	541	7.75	7.74	8.00	7.97	-	236.38	242.26	244.00	245.48	-
Retail bakeries	546	5.13	5.17	5.23	5.23	-	142.61	145.79	147.49	148.53	-
Automotive dealers and service stations	55	6.76	6.84	7.08	7.08	-	250.12	253.76	261.96	261.96	-
New and used car dealers	551.2	8.04	8.21	8.50	8.50	-	304.72	312.80	323.85	323.00	-
Auto and home supply stores	553	6.11	6.18	6.33	6.42	-	241.35	244.11	253.20	258.08	-
Gasoline service stations	554	5.22	5.21	5.29	5.28	-	182.18	181.31	180.39	181.10	-
Apparel and accessory stores	56	5.05	5.03	5.13	5.13	-	139.89	143.36	143.13	143.13	-
Men's and boys' clothing and furnishings	561	5.81	5.75	5.84	5.84	-	176.62	177.68	177.54	176.95	-
Women's ready-to-wear stores	562	4.74	4.70	4.87	4.91	-	127.51	130.66	131.49	133.06	-
Family clothing stores	565	4.98	4.95	5.00	4.95	-	137.95	141.57	140.50	139.10	-
Shoe stores	566	5.22	5.24	5.21	5.20	-	146.16	148.82	141.19	140.92	-
Furniture and home furnishings stores	57	6.65	6.59	6.80	6.84	-	227.43	226.70	231.20	233.24	-
Furniture and home furnishings stores	571	6.52	6.49	6.77	6.80	-	219.07	221.96	230.18	232.56	-
Household appliance stores	572	6.94	6.94	7.00	7.02	-	233.88	238.74	238.70	243.59	-
Radio, television, and music stores	573	6.78	6.61	6.79	6.85	-	242.05	231.35	229.50	230.85	-
Eating and drinking places ³	58	4.28	4.27	4.32	4.31	-	112.99	113.16	114.05	114.22	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.8	30.9	30.9	31.2	-	-	-	-	-	-
Drug stores and proprietary stores	591	28.2	28.8	29.1	29.1	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	29.6	29.9	29.3	29.5	-	-	-	-	-	-
Nonstore retailers	596	33.4	33.4	33.6	33.5	-	-	-	-	-	-
Fuel and ice dealers	598	37.4	37.5	37.9	37.4	-	-	-	-	-	-
Retail stores, nec	599	33.1	33.0	32.4	34.1	-	-	-	-	-	-
Finance, insurance, and real estate⁴		36.3	36.1	36.5	36.3	36.3	-	-	-	-	-
Banking	60	36.5	36.3	36.7	36.4	-	-	-	-	-	-
Commercial and stock savings banks	602	36.5	36.3	36.7	36.3	-	-	-	-	-	-
Credit agencies other than banks	61	37.3	36.9	37.3	36.9	-	-	-	-	-	-
Savings and loan associations	612	36.6	36.2	37.0	36.2	-	-	-	-	-	-
Personal credit institutions	614	37.7	37.5	37.2	36.9	-	-	-	-	-	-
Insurance carriers	63	37.2	37.1	37.3	37.2	-	-	-	-	-	-
Life insurance	631	36.8	36.7	37.1	37.0	-	-	-	-	-	-
Medical service and health insurance	632	37.8	37.7	37.6	37.8	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.2	37.1	37.1	37.0	-	-	-	-	-	-
Services		32.6	32.9	32.7	32.6	33.0	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	31.0	31.0	31.1	30.8	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	34.2	34.0	34.1	34.5	-	-	-	-	-	-
Beauty shops ³	723	28.9	28.7	29.1	29.7	-	-	-	-	-	-
Business services	73	33.3	33.4	33.6	33.6	-	-	-	-	-	-
Advertising	731	36.5	36.3	35.6	35.7	-	-	-	-	-	-
Services to buildings	734	28.2	28.1	29.2	29.3	-	-	-	-	-	-
Computer and data processing services	737	38.6	38.5	39.0	39.2	-	-	-	-	-	-
Auto repair, services, and garages	75	37.6	38.0	38.0	38.3	-	-	-	-	-	-
Automotive repair shops	753	38.8	39.2	39.4	39.6	-	-	-	-	-	-
Miscellaneous repair services	76	38.2	38.9	38.2	38.5	-	-	-	-	-	-
Motion pictures	78	27.8	28.6	29.2	28.6	-	-	-	-	-	-
Motion picture production and services	781	38.7	38.7	39.0	39.9	-	-	-	-	-	-
Amusement and recreation services	79	29.5	31.4	29.2	29.5	-	-	-	-	-	-
Health services	80	32.6	32.7	32.5	32.3	-	-	-	-	-	-
Offices of physicians	801	31.6	31.3	30.8	30.6	-	-	-	-	-	-
Offices of dentists	802	28.1	28.1	28.3	28.6	-	-	-	-	-	-
Nursing and personal care facilities	805	31.4	31.3	31.4	31.0	-	-	-	-	-	-
Hospitals	806	33.9	34.3	34.0	33.9	-	-	-	-	-	-
Legal services	81	34.8	34.7	34.6	34.3	-	-	-	-	-	-
Miscellaneous services	89	38.4	38.6	39.7	38.6	-	-	-	-	-	-
Engineering and architectural services	891	39.5	39.8	39.8	39.8	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	37.7	37.8	40.7	37.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$5.64	\$5.65 ¹	\$5.83	\$5.82	-	\$173.71	\$174.59	\$180.15	\$181.58	-
Drug stores and proprietary stores	591	5.36	5.31	5.38	5.39	-	151.15	152.93	156.56	156.85	-
Miscellaneous shopping goods stores	594	5.25	5.30 ¹	5.56	5.52	-	155.40	158.47	162.91	162.84	-
Nonstore retailers	596	6.20	6.23	6.31	6.38	-	207.08	208.08	212.02	213.73	-
Fuel and ice dealers	598	7.59	7.60 ¹	8.11	8.02	-	283.87	285.00	307.37	299.95	-
Retail stores, nec	599	5.84	5.87 ¹	6.10	6.02	-	193.30	193.71	197.64	205.28	-
Finance, insurance, and real estate⁴		7.29	7.25	7.62	7.53	\$7.53	264.63	261.73	278.13	273.34	\$273.34
Banking	60	6.25	6.20	6.55	6.48	-	228.13	225.06	240.39	235.87	-
Commercial and stock savings banks	602	6.11	6.07	6.41	6.33	-	223.02	220.34	235.25	229.78	-
Credit agencies other than banks	61	6.49	6.42 ¹	6.84	6.79	-	242.08	236.90	255.13	250.55	-
Savings and loan associations	612	5.90	5.81 ¹	6.19	6.14	-	215.94	210.32	229.03	222.27	-
Personal credit institutions	614	6.52	6.46 ¹	6.69	6.59	-	245.80	242.25	248.87	243.17	-
Insurance carriers	63	8.10	8.11 ¹	8.55	8.51	-	301.32	300.88	318.92	316.57	-
Life insurance	631	8.06	8.13 ¹	8.53	8.55	-	296.61	298.37	316.46	316.35	-
Medical service and health insurance	632	7.80	7.74 ¹	8.26	8.17	-	294.84	291.80	310.58	308.83	-
Fire, marine, and casualty insurance	633	8.17	8.15	8.58	8.54	-	303.92	302.37	318.32	315.98	-
Services		7.27	7.24	7.60	7.54	7.53	237.00	238.20	248.52	245.80	248.49
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	5.25	5.24	5.40	5.41	-	162.75	162.44	167.94	166.63	-
Personal services:											
Laundry, cleaning, and garment services	721	5.36	5.42 ¹	5.54	5.57	-	183.31	184.28	188.91	192.17	-
Beauty shops ³	723	5.41	5.45 ¹	5.63	5.62	-	156.35	156.42	163.83	166.91	-
Business services	73	7.63	7.62	7.89	7.83	-	254.08	254.51	265.10	263.09	-
Advertising	731	10.03	9.82	10.68	10.48	-	366.10	356.47	380.21	374.14	-
Services to buildings	734	5.95	5.96	6.21	6.17	-	167.79	167.48	181.33	180.78	-
Computer and data processing services	737	10.03	10.05	10.41	10.43	-	387.16	386.93	405.99	408.86	-
Auto repair, services, and garages	75	6.92	6.92 ¹	7.06	7.08	-	260.19	262.96	268.28	271.16	-
Automotive repair shops	753	7.47	7.46	7.66	7.69	-	289.84	292.43	301.80	304.52	-
Miscellaneous repair services	76	8.22	8.16	8.76	8.80	-	314.00	317.42	334.63	338.80	-
Motion pictures	78	10.26	9.78	11.77	10.84	-	285.23	279.71	343.68	310.02	-
Motion picture production and services	781	14.22	13.91	16.34	14.93	-	550.31	538.32	637.26	595.71	-
Amusement and recreation services	79	6.48	6.34 ¹	6.92	6.54	-	191.16	199.08	202.06	192.93	-
Health services	80	7.32	7.34	7.68	7.67	-	238.63	240.02	249.60	247.74	-
Offices of physicians	801	7.20	7.15 ¹	7.54	7.48	-	227.52	223.80	232.23	228.89	-
Offices of dentists	802	7.13	7.09	7.36	7.34	-	200.35	199.23	208.29	209.92	-
Nursing and personal care facilities	805	5.16	5.17	5.36	5.38	-	162.02	161.82	168.30	166.78	-
Hospitals	806	8.04	8.08 ¹	8.46	8.48	-	272.56	277.14	287.64	287.47	-
Legal services	81	9.29	9.24	9.78	9.61	-	323.29	320.63	338.39	329.62	-
Miscellaneous services	89	10.70	10.59	11.02	11.05	-	410.88	408.77	437.49	426.53	-
Engineering and architectural services	891	11.51	11.34	11.91	11.87	-	454.65	451.33	474.02	472.43	-
Accounting, auditing, and bookkeeping	893	9.04	8.96	9.33	9.32	-	340.81	338.69	379.73	345.77	-

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Beginning in January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Money payments only; tips, not included.

⁴ Data for nonoffice sales agents are excluded from all series in this

division.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime¹ of production workers on manufacturing payrolls

Industry	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Manufacturing	\$8.48	\$8.48	\$8.75	\$8.75	\$8.77
Durable goods	9.02	9.02	9.27	9.27	9.28
Lumber and wood products	7.49	7.52	7.59	7.59	(^q)
Furniture and fixtures	6.35	6.41	6.57	6.60	(^q)
Stone, clay, and glass products	8.78	8.81	9.00	9.01	(^q)
Primary metal industries	10.91	10.85	10.97	10.97	(^q)
Fabricated metal products	8.77	8.77	8.96	8.95	(^q)
Machinery, except electrical	9.26	9.26	9.50	9.50	(^q)
Electrical and electronic equipment	8.35	8.35	8.57	8.57	(^q)
Transportation equipment	11.05	11.09	11.42	11.44	(^q)
Instruments and related products	8.21	8.21	8.49	8.48	(^q)
Miscellaneous manufacturing	6.65	6.63	6.79	6.83	(^q)
Nondurable goods	7.76	7.75	7.98	7.99	\$8.00
Food and kindred products	7.89	7.86	8.09	8.06	(^q)
Tobacco manufactures	10.68	10.74	11.29	11.38	(^q)
Textile mill products	5.88	5.89	6.16	6.16	(^q)
Apparel and other textile products	5.24	5.27	5.38	5.37	(^q)
Paper and allied products	9.33	9.41	9.76	9.79	(^q)
Printing and publishing	8.77	8.78	8.96	8.98	(^q)
Chemicals and allied products	10.12	10.13	10.55	10.57	(^q)
Petroleum and coal products	12.62	12.61	12.81	12.69	(^q)
Rubber and misc. plastics products	7.62	7.61	7.86	7.87	(^q)
Leather and leather products	5.42	5.39	5.58	5.58	(^q)

¹ Derived by assuming that overtime hours are paid at the rate of time and one-half.

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p	May 1983	June 1983	Apr. 1984	May 1984 ^p	June 1984 ^p
Total private:										
Current dollars	\$7.98	\$7.98	\$8.29	\$8.27	\$8.29	\$278.50	\$280.90	\$292.64	\$291.93	\$295.12
Constant (1977) dollars	4.89	4.87	4.95	4.91	(^q)	170.55	171.59	174.71	173.46	(^q)
Mining:										
Current dollars	11.17	11.22	11.62	11.55	\$11.61	471.37	476.85	499.66	500.12	\$512.00
Constant (1977) dollars	6.84	6.85	6.94	6.86	(^q)	288.65	291.30	298.30	297.16	(^q)
Construction:										
Current dollars	11.81	11.77	11.95	11.97	\$11.94	442.88	446.08	448.13	456.06	\$460.88
Constant (1977) dollars	7.23	7.19	7.13	7.11	(^q)	271.21	272.50	267.54	270.98	(^q)
Manufacturing:										
Current dollars	8.77	8.79	9.11	9.10	\$9.13	349.92	354.24	372.60	370.37	\$373.42
Constant (1977) dollars	5.37	5.37	5.44	5.41	(^q)	214.28	216.40	222.45	220.07	(^q)
Transportation and public utilities:										
Current dollars	10.73	10.72	11.07	11.04	\$11.03	415.25	419.15	435.05	432.77	\$435.69
Constant (1977) dollars	6.57	6.55	6.61	6.56	(^q)	254.29	256.05	259.73	257.14	(^q)
Wholesale trade:										
Current dollars	8.49	8.49	8.89	8.85	\$8.86	326.02	327.71	342.27	341.61	\$342.88
Constant (1977) dollars	5.20	5.19	5.31	5.26	(^q)	199.64	200.19	204.34	202.98	(^q)
Retail trade:										
Current dollars	5.72	5.73	5.90	5.88	\$5.88	169.88	172.47	175.82	176.40	\$178.16
Constant (1977) dollars	3.50	3.50	3.52	3.49	(^q)	104.03	105.36	104.79	104.81	(^q)
Finance, insurance, and real estate:										
Current dollars	7.29	7.25	7.62	7.53	\$7.53	264.63	261.73	278.13	273.34	\$273.34
Constant (1977) dollars	4.46	4.43	4.55	4.47	(^q)	162.05	159.88	166.05	162.41	(^q)
Services:										
Current dollars	7.27	7.24	7.60	7.54	\$7.53	237.00	238.20	248.52	245.80	\$248.49
Constant (1977) dollars	4.45	4.42	4.54	4.48	(^q)	145.13	145.51	148.37	146.05	(^q)

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1983 forward are subject to revision.

C-5. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1983							1984					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ²	June ²
Total private	35.0	35.0	35.0	35.2	35.2	35.2	35.2	35.4	35.3	35.3	35.4	35.3	35.3
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	40.1	40.2	40.3	40.7	40.6	40.6	40.6	40.9	40.9	40.7	41.1	40.6	40.6
<i>Overtime hours</i>	2.9	3.0	3.0	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.7	3.3	3.3
Durable goods	40.5	40.8	40.8	41.4	41.2	41.3	41.3	41.6	41.7	41.4	41.8	41.3	41.3
<i>Overtime hours</i>	2.8	3.0	3.0	3.3	3.4	3.5	3.5	3.7	3.8	3.7	4.0	3.5	3.5
Lumber and wood products	40.0	40.0	40.2	40.4	40.5	40.0	40.0	40.6	40.4	40.1	40.4	39.6	39.2
Furniture and fixtures	39.5	39.7	39.7	40.0	39.8	39.8	40.1	40.0	39.9	39.6	39.7	39.6	39.1
Stone, clay, and glass products	41.5	41.6	41.7	42.0	41.8	41.8	41.9	42.1	42.5	41.9	42.3	42.1	41.9
Primary metal industries	40.4	40.7	40.9	41.2	41.6	41.7	41.8	41.9	42.0	41.8	42.2	42.2	42.1
Blast furnaces and basic steel products ..	39.3	39.9	40.1	40.5	40.8	40.8	41.2	41.0	41.3	41.2	41.0	41.8	41.9
Fabricated metal products	40.4	40.7	40.8	41.4	41.2	41.4	41.4	41.6	41.8	41.3	41.8	41.4	41.5
Machinery, except electrical	40.3	40.6	40.6	41.1	41.2	41.3	41.5	41.8	41.9	41.9	42.3	41.9	41.9
Electrical and electronic equipment	40.5	40.7	40.7	41.2	41.1	41.1	41.0	41.2	41.2	41.0	41.3	40.9	40.7
Transportation equipment	41.8	42.0	41.9	43.3	42.5	42.6	42.4	43.2	43.1	42.9	43.5	42.4	42.6
Motor vehicles and equipment	43.2	42.9	43.1	45.1	44.1	44.1	43.9	44.8	44.3	44.4	44.8	43.0	43.4
Instruments and related products	40.1	40.5	40.4	40.8	40.7	40.7	40.8	41.3	41.2	41.1	41.4	40.9	41.3
Miscellaneous manufacturing	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Nondurable goods	39.5	39.5	39.6	39.9	39.7	39.8	39.7	39.9	39.9	39.8	40.2	39.7	39.7
<i>Overtime hours</i>	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.1	3.2
Food and kindred products	39.7	39.4	39.6	39.8	39.6	39.6	39.5	39.7	39.7	39.8	40.1	39.8	39.9
Tobacco manufactures	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	40.7	40.8	40.9	41.3	40.8	40.6	40.7	40.6	40.8	40.6	41.2	40.0	39.8
Apparel and other textile products	36.2	35.9	36.3	36.7	36.6	36.7	36.6	36.6	36.9	36.7	37.4	36.5	36.5
Paper and allied products	42.8	42.9	42.9	43.2	43.2	43.1	43.1	43.2	43.2	43.0	43.2	43.1	42.8
Printing and publishing	37.5	37.6	37.6	37.8	37.9	37.9	37.7	37.9	37.9	37.9	38.2	38.0	37.8
Chemicals and allied products	41.8	41.8	41.7	41.7	41.7	41.9	41.9	42.1	42.1	42.0	42.0	41.9	42.1
Petroleum and coal products	43.6	43.8	43.5	43.2	43.6	43.7	44.6	44.8	44.5	44.7	43.7	43.6	44.0
Rubber and misc. plastics products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Leather and leather products	36.8	37.2	37.1	37.8	37.3	37.2	37.1	37.3	37.2	36.7	37.5	36.5	36.4
Transportation and public utilities	38.9	39.0	39.2	39.3	39.4	39.2	39.4	39.5	39.3	39.2	39.5	39.4	39.3
Wholesale trade	38.5	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.6
Retail trade	29.9	29.8	29.8	29.8	30.0	30.0	30.3	30.1	30.0	30.1	30.0	30.1	30.1
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.7	32.7	32.6	32.7	32.8	32.7	32.6	32.8	32.7	32.8	32.8	32.7	32.8

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

² These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.
^P - preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(1977 = 100)

Industry	1983						1984						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Total private	105.5	106.1	105.3	107.6	108.3	108.7	109.4	110.3	110.9	110.9	112.0	111.9	112.6
Goods-producing	90.6	91.6	92.4	93.9	94.6	95.6	96.2	97.9	99.2	98.1	100.1	99.4	100.3
Mining	105.1	105.7	106.7	107.8	109.6	109.7	110.4	111.5	112.1	111.7	114.7	115.6	117.3
Construction	101.2	102.0	103.7	105.0	104.1	105.5	105.7	110.3	114.1	107.7	112.6	113.4	116.9
Manufacturing	87.9	88.9	89.5	91.1	92.1	93.0	93.7	94.9	95.7	95.7	97.0	96.0	96.3
Durable goods	84.2	85.8	86.5	88.5	89.9	91.0	92.0	93.4	94.4	94.5	95.8	95.0	95.6
Lumber and wood products	89.3	90.4	92.4	93.6	95.3	95.0	95.6	97.4	97.4	97.8	98.6	96.1	94.7
Furniture and fixtures	93.6	96.2	96.2	97.4	98.3	99.6	101.2	102.0	102.8	102.8	103.1	102.6	101.8
Stone, clay, and glass products	82.1	82.6	83.8	85.0	85.5	86.1	86.5	87.1	89.3	88.2	89.2	89.0	89.0
Primary metal industries	65.5	66.8	67.6	68.9	71.2	72.0	73.0	72.8	73.5	73.2	74.1	74.9	75.1
Blast furnaces and basic steel products	57.4	59.0	59.5	60.6	62.2	62.9	63.5	62.3	62.6	62.4	62.3	63.9	64.3
Fabricated metal products	81.1	82.3	83.6	85.3	86.3	87.5	88.5	89.5	90.4	89.9	91.5	91.2	92.2
Machinery, except electrical	80.8	82.6	83.5	84.9	86.3	88.2	89.5	91.1	92.3	93.3	95.2	95.0	96.2
Electrical and electronic equipment	98.6	100.3	100.2	104.1	105.6	107.2	108.0	109.6	111.2	112.2	113.6	113.3	113.6
Transportation equipment	82.8	84.9	85.7	88.9	89.9	91.1	92.1	95.1	95.9	95.5	96.8	94.2	95.5
Motor vehicles and equipment	74.3	75.9	78.9	82.9	84.2	85.6	88.8	93.0	92.3	91.8	91.8	86.5	88.2
Instruments and related products	101.4	102.4	103.0	105.1	105.9	106.4	106.4	108.5	108.8	108.8	109.3	108.3	109.9
Miscellaneous manufacturing	80.1	81.0	80.8	80.8	82.6	83.3	84.6	85.0	86.5	85.8	86.5	85.3	85.8
Nondurable goods	93.2	93.6	94.0	95.0	95.3	95.9	96.2	97.0	97.5	97.4	98.8	97.4	97.3
Food and kindred products	95.9	95.3	95.3	95.8	95.5	95.9	95.8	97.0	96.9	97.1	98.7	97.8	97.8
Tobacco manufactures	90.8	90.4	86.9	89.4	88.1	90.6	87.1	87.6	86.1	87.6	93.4	93.1	92.9
Textile mill products	81.7	82.0	83.1	84.1	83.7	83.5	84.0	84.5	84.8	84.5	85.7	82.7	82.3
Apparel and other textile products	88.0	88.5	89.5	90.7	91.5	92.5	92.8	93.2	94.4	94.2	96.7	93.8	92.7
Paper and allied products	95.0	95.6	95.6	96.8	97.4	97.6	98.2	98.8	99.4	99.1	99.5	99.5	99.2
Printing and publishing	109.1	109.7	110.1	110.9	111.9	112.7	112.4	113.8	114.1	114.6	116.6	116.3	116.1
Chemicals and allied products	94.1	94.3	94.1	94.2	94.6	95.2	95.5	96.1	96.3	96.1	96.2	95.5	96.6
Petroleum and coal products	91.7	92.1	90.7	89.3	89.4	88.8	89.8	89.4	88.8	88.4	86.5	86.3	88.6
Rubber and misc. plastics products	99.1	101.4	102.4	104.5	106.2	108.4	109.4	111.0	112.5	112.2	113.8	113.1	113.6
Leather and leather products	78.5	79.3	80.1	82.0	81.4	81.2	81.0	81.4	81.2	79.7	81.4	78.3	77.7
Service-producing	113.7	114.1	112.4	115.1	115.9	116.0	116.7	117.2	117.4	117.9	118.6	118.8	119.4
Transportation and public utilities	100.2	100.4	85.3	102.0	102.4	101.7	102.4	103.4	103.1	103.1	104.4	104.2	104.4
Wholesale trade	107.7	107.7	108.6	109.2	109.7	110.1	110.7	111.6	112.0	112.5	113.3	113.5	113.7
Retail trade	106.0	106.1	106.4	106.7	107.8	108.3	109.7	109.3	109.4	109.9	110.3	110.9	111.1
Finance, insurance, and real estate	118.7	119.2	119.2	120.2	120.8	120.6	121.0	122.0	122.1	122.2	123.1	122.9	123.8
Services	125.9	126.5	126.6	127.6	128.3	128.4	128.6	129.4	129.9	130.9	131.4	131.6	132.5

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1983								1984				
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Hourly Earnings Index ² (1977 = 100)													
Total private (in current dollars)	155.1	155.6	155.4	156.2	157.1	157.2	157.8	158.4	158.5	159.1	159.9	159.6	156.0
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	145.0	144.5	144.8	145.5	145.5	145.2	145.6	146.3	146.2	146.3	146.6	146.9	147.0
Manufacturing	157.5	157.9	158.0	158.1	158.7	159.4	159.7	160.3	160.7	161.2	161.5	161.9	162.1
Transportation and public utilities	156.6	157.9	155.6	157.4	158.5	158.7	159.1	159.9	159.8	160.9	161.3	161.1	161.6
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	150.2	150.7	150.9	151.3	151.9	152.3	152.7	152.7	152.9	153.2	153.7	153.4	153.8
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	156.0	156.4	156.6	157.7	158.7	158.5	159.4	159.8	159.8	160.8	162.3	161.2	162.4
Total private (in constant dollars) ⁴	94.9	94.9	94.4	94.5	94.7	94.6	94.9	94.8	94.8	95.1	95.4	94.9	(⁵)
Average hourly earnings													
Total private	\$8.01	\$8.04	\$8.00	\$8.09	\$8.13	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.28	\$8.31
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$11.90	\$11.87	\$11.89	\$11.95	\$11.94	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.03	\$12.05	\$12.07
Manufacturing	8.80	8.83	8.84	8.88	8.93	8.97	8.99	9.03	9.06	9.09	9.11	9.11	9.14
Transportation and public utilities	10.81	10.88	10.68	10.83	10.91	10.93	10.96	11.02	10.99	11.08	11.11	11.10	11.12
Wholesale trade	8.53	8.57	8.56	8.62	8.70	8.70	8.74	8.76	8.76	8.82	8.88	8.84	8.90
Retail trade	5.74	5.75	5.77	5.79	5.80	5.82	5.83	5.84	5.84	5.87	5.89	5.87	5.89
Finance, insurance, and real estate	7.28	7.33	7.24	7.35	7.46	7.39	7.47	7.49	7.47	7.54	7.62	7.51	7.53
Services	7.30	7.32	7.33	7.37	7.41	7.41	7.44	7.48	7.50	7.52	7.60	7.55	7.59
Average weekly earnings													
Total private:													
In current dollars	280.35	281.40	280.00	284.77	286.18	286.53	287.58	290.63	290.52	291.23	294.17	292.28	293.34
In constant (1977) dollars ⁶	171.57	171.69	170.01	172.27	172.61	172.40	172.93	173.93	173.65	174.08	175.52	173.77	(⁵)

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

² Excludes the effects of two types of changes that are unrelated to underlying wage rate movements: Fluctuations in overtime in manufacturing and interindustry employment shifts.

³ These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.

⁴ The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁵ Not available.

⁶ = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1983 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1980 forward are subject to revision.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Alabama	40.4	41.1	40.9	\$7.56	\$7.90	\$7.87	\$305.42	\$324.69	\$321.88
Birmingham	39.1	41.6	41.9	7.92	8.31	8.28	309.67	345.70	346.93
Mobile	41.2	41.0	41.8	9.47	9.77	9.62	390.16	400.57	402.12
Alaska	36.6	35.3	(¹)	12.88	13.78	(¹)	471.41	486.43	(¹)
Arizona	40.2	40.9	40.9	8.95	9.13	8.94	359.79	373.42	365.65
Arkansas	40.3	40.6	40.4	6.99	7.35	7.28	281.70	298.41	294.11
Fayetteville-Springdale	39.9	41.8	42.3	6.35	6.71	6.60	253.37	280.48	279.18
Fort Smith	41.4	40.2	39.8	7.25	7.50	7.42	300.15	301.50	295.32
Little Rock-North Little Rock	41.0	39.3	39.9	8.13	8.29	8.37	333.33	325.80	333.96
Pine Bluff	41.3	41.0	41.8	8.91	9.23	9.11	367.98	378.43	380.80
California	39.7	40.6	40.3	9.48	9.69	9.71	376.36	393.41	391.31
Colorado	39.6	40.5	40.5	8.93	9.30	9.30	353.63	376.65	376.65
Denver-Boulder	39.6	40.3	40.3	9.23	9.67	9.67	365.51	389.70	389.70
Connecticut	41.1	42.9	42.4	8.72	9.17	9.17	358.39	393.39	388.81
Bridgeport	41.3	42.8	41.9	9.17	9.59	9.61	378.72	410.45	402.66
Hartford	41.0	42.7	42.5	9.32	9.76	9.78	382.12	416.75	415.65
New Britain	41.2	42.2	42.2	8.96	9.36	9.43	369.15	394.99	397.95
New Haven-West Haven	37.0	41.0	40.8	8.64	9.04	9.03	319.68	370.64	368.42
Stamford	39.1	41.3	41.8	8.49	9.11	9.11	331.96	376.24	380.80
Waterbury	42.4	43.7	43.9	7.45	7.78	7.77	315.88	339.99	341.10
Delaware	40.7	42.5	42.0	9.14	9.30	9.17	372.00	395.25	385.14
Wilmington	40.7	43.5	42.6	10.55	10.95	10.78	429.39	476.33	459.23
District of Columbia:									
Washington SMSA	38.3	37.8	38.1	9.74	10.23	10.41	373.04	390.79	396.52
Florida	40.5	41.2	41.4	7.25	7.58	7.65	293.63	312.30	316.71
Fort Lauderdale-Hollywood	41.8	40.2	41.3	6.92	7.48	7.47	289.26	300.70	308.51
Jacksonville	39.4	41.6	41.9	7.95	8.32	8.36	313.23	346.11	350.28
Lakeland-Winter Haven	39.7	40.2	40.3	7.32	7.79	7.76	290.60	313.16	312.73
Miami	38.5	38.3	38.7	6.11	6.28	6.34	235.24	240.52	245.36
Orlando	42.0	41.9	41.1	7.47	7.94	8.01	313.74	332.69	329.21
Pensacola	42.1	43.3	43.7	8.66	9.02	9.05	364.59	390.57	395.49
Tampa-St. Petersburg	40.7	42.1	41.7	7.28	7.44	7.54	296.30	313.22	314.42
West Palm Beach-Boca Raton	42.6	40.3	39.4	7.58	7.63	7.67	322.91	307.49	302.20
Georgia	40.8	41.4	41.1	7.03	7.56	7.53	286.82	312.98	309.48
Atlanta	40.5	41.2	41.2	8.37	8.98	8.83	338.99	369.98	363.80
Savannah	44.1	45.4	45.7	9.22	9.64	9.77	406.60	437.66	446.49
Hawaii	38.8	38.3	38.3	8.26	8.49	8.53	320.49	325.17	326.70
Honolulu	38.5	38.1	37.9	8.24	8.44	8.41	317.24	321.56	318.74
Idaho	37.8	37.9	38.5	8.94	8.88	9.01	337.93	336.55	346.89
Illinois	40.1	41.4	40.9	9.67	10.02	10.03	387.77	414.83	410.23
Bloomington-Normal	41.7	40.3	41.1	8.87	9.68	9.81	369.88	390.10	403.19
Champaign-Urbana-Rantoul	35.8	40.5	39.8	9.08	9.47	9.35	325.06	383.54	372.13
Chicago SMSA	40.1	41.6	41.1	9.54	9.84	9.90	382.55	409.34	406.89
Davenport-Rock Island-Moline	38.9	39.5	39.2	12.14	12.44	12.51	472.25	491.38	490.39
Decatur	40.2	40.0	40.7	11.95	12.97	12.87	480.39	518.80	523.81
Kankakee	38.2	40.0	39.0	8.34	8.88	9.04	318.59	355.20	352.56
Peoria	39.1	41.4	41.2	11.91	12.60	12.56	465.68	521.64	517.47
Rockford	41.0	43.5	42.1	9.47	10.34	10.24	388.27	449.79	431.10
Springfield	41.5	40.9	40.3	10.86	10.82	11.02	450.69	442.54	444.11
Indiana	40.6	41.9	41.5	9.99	10.46	10.43	405.59	438.27	432.84
Gary-Hammond-East Chicago	39.2	41.6	(¹)	12.74	13.56	(¹)	499.41	564.10	(¹)
Indianapolis	40.6	41.4	(¹)	9.93	10.53	(¹)	403.16	435.94	(¹)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
Iowa	40.0	40.0	40.1	\$10.03	\$10.28	\$10.29	\$401.20	\$411.20	\$412.63
Cedar Rapids	40.5	41.6	41.6	10.29	10.94	10.80	416.75	455.10	449.28
Des Moines	39.3	41.9	40.6	11.04	12.29	12.25	433.87	514.95	497.35
Dubuque	39.4	42.4	40.0	10.44	10.69	10.90	411.34	453.26	436.00
Sioux City	39.2	36.9	39.3	9.24	8.14	8.26	362.21	300.37	324.62
Waterloo-Cedar Falls	40.4	39.1	39.7	12.67	13.40	13.40	511.87	523.94	531.98
Kansas	38.7	40.1	40.3	9.24	9.48	9.54	357.59	380.15	384.46
Topeka	37.9	40.1	40.7	8.96	9.54	9.55	339.58	382.55	388.69
Wichita	39.7	41.2	40.8	10.13	10.16	10.20	402.16	418.59	416.16
Kentucky	39.0	39.1	39.2	8.69	9.25	9.31	338.91	361.68	364.95
Lexington-Fayette	39.7	39.1	39.5	9.26	9.85	9.86	367.62	385.14	389.47
Louisville	39.0	40.5	41.0	10.02	10.39	10.43	390.78	420.80	427.63
Louisiana	39.8	42.2	41.6	9.80	10.09	10.16	390.04	425.80	422.66
Baton Rouge	41.5	43.8	42.8	11.28	11.56	11.67	468.12	506.33	499.48
New Orleans	37.4	41.8	42.0	9.01	9.49	9.58	336.97	396.68	402.36
Shreveport	39.1	42.5	42.2	9.36	9.67	9.83	365.98	410.98	414.83
Maine	40.1	40.2	40.3	7.47	7.85	7.92	299.55	315.57	319.18
Lewiston-Auburn	40.3	38.2	38.3	6.10	6.47	6.51	245.83	247.15	249.33
Portland	37.7	39.9	39.4	7.61	7.81	7.86	286.90	311.62	309.68
Maryland	39.8	41.1	40.5	8.93	9.30	9.31	355.41	382.23	377.06
Baltimore	40.4	41.4	40.9	9.35	9.79	9.79	377.74	405.31	400.41
Massachusetts	40.1	40.4	40.5	7.92	8.40	8.46	317.59	339.36	342.63
Boston	39.5	40.3	40.6	8.65	9.08	9.12	341.68	365.92	370.27
Brockton	37.6	39.2	39.7	6.48	6.52	6.59	243.65	255.58	261.62
Fall River	37.0	37.1	37.0	6.16	6.78	6.75	227.92	251.54	249.75
Lawrence-Haverhill	39.8	40.2	40.5	7.92	8.43	8.47	315.22	338.89	343.04
Lowell	38.8	39.2	39.0	7.33	7.72	7.83	284.40	302.62	305.37
New Bedford	38.0	39.3	38.7	7.10	7.48	7.50	269.80	293.96	290.25
Springfield-Chicopee-Holyoke	40.6	41.6	41.5	7.97	8.39	8.44	323.58	349.02	350.26
Worcester	39.1	40.1	40.2	8.23	8.56	8.61	321.79	343.26	346.12
Michigan	42.1	43.8	43.3	11.50	12.11	12.09	483.84	530.93	523.01
Ann Arbor	42.0	45.5	44.3	11.81	12.86	12.67	495.34	585.43	561.38
Battle Creek	40.2	41.9	41.4	11.85	12.31	12.50	476.09	515.98	517.41
Bay City	41.3	41.0	40.5	10.30	10.55	10.66	425.25	432.16	431.70
Detroit	43.1	45.0	44.6	12.08	12.85	12.82	520.14	577.65	571.35
Flint	42.8	45.8	45.3	13.27	13.64	13.99	568.68	624.63	634.04
Grand Rapids	40.4	42.4	42.1	9.79	10.24	10.18	395.87	433.62	428.05
Jackson	40.6	42.1	42.1	9.69	10.06	10.09	392.95	422.97	424.81
Kalamazoo-Portage	41.4	42.5	42.1	10.82	11.43	11.38	447.78	485.93	479.25
Lansing-East Lansing	42.3	44.2	42.3	12.89	13.32	13.14	545.65	588.48	555.70
Muskegon-Norton Shores-Muskegon Heights	38.9	41.2	41.1	10.26	10.85	10.78	399.03	447.35	442.82
Saginaw	42.4	44.2	43.5	13.34	14.35	14.16	565.67	634.74	615.50
Minnesota	39.1	40.9	40.3	9.58	9.64	9.64	374.58	394.28	388.49
Duluth-Superior	36.9	37.6	37.5	9.90	10.66	10.85	365.31	400.82	406.88
Minneapolis-St. Paul	39.2	41.2	40.9	10.10	10.21	10.22	395.92	420.65	418.00
St. Cloud	36.9	38.1	37.2	8.25	8.46	8.62	304.43	322.33	320.66
Mississippi	39.8	40.6	40.3	6.63	6.95	6.89	263.87	282.17	277.67
Jackson	40.2	41.6	40.8	7.60	7.94	7.99	305.52	330.30	325.99
Missouri	39.8	41.0	40.8	8.88	9.22	9.22	353.42	378.02	376.18
Kansas City	41.0	41.3	41.9	9.89	10.50	10.64	405.49	433.65	445.82
St. Joseph	38.6	39.3	38.0	8.16	8.44	8.38	314.98	331.69	318.44
St. Louis	40.2	41.7	41.6	10.08	10.51	10.56	405.22	438.27	439.30
Springfield	39.8	40.0	39.5	8.12	8.23	8.23	323.18	329.20	325.09
Montana	39.5	39.9	38.3	10.55	10.68	10.73	416.73	426.13	410.96
Nebraska	39.8	40.0	40.8	8.75	8.91	8.96	348.25	356.40	365.57
Lincoln	37.5	40.9	41.2	8.75	9.37	9.42	328.13	383.23	388.10
Omaha	39.2	39.7	40.0	9.11	9.30	9.34	367.11	369.21	373.60

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
Nevada	38.1	40.1	39.5	\$9.03	\$8.99	\$9.10	\$344.04	\$360.50	\$359.45
Las Vegas	38.4	39.7	38.6	10.82	11.08	11.23	415.49	439.88	433.48
New Hampshire	40.0	41.1	40.8	7.29	7.71	7.71	291.60	316.88	314.57
Manchester	39.1	39.3	38.9	7.02	7.43	7.49	274.48	292.00	291.36
Nashua	40.7	41.7	41.5	8.55	9.22	9.14	347.99	384.47	379.31
New Jersey	40.5	41.6	41.5	9.15	9.43	9.44	370.58	392.29	391.76
Atlantic City	41.0	41.9	41.3	7.38	7.50	7.50	302.58	314.25	309.75
Camden	40.2	39.9	39.7	9.75	9.84	9.79	391.95	392.62	388.66
Hackensack	40.0	40.9	40.9	8.06	8.42	8.46	322.40	344.38	346.01
Jersey City	40.3	39.6	39.8	8.47	8.63	8.68	341.34	341.75	345.46
New Brunswick-Perth Amboy-Sayreville	40.6	40.9	40.7	10.27	10.38	10.34	416.96	424.54	420.84
Newark	40.8	41.6	41.6	9.40	9.76	9.73	383.52	406.02	404.77
Paterson-Clifton-Passaic	41.1	41.5	41.7	8.85	9.22	9.22	363.74	382.63	384.47
Trenton	40.6	41.9	41.9	9.08	9.23	9.36	368.65	386.74	392.18
New Mexico	40.7	39.0	40.5	7.46	7.78	7.77	303.62	303.42	314.69
Albuquerque	41.6	38.6	42.3	7.35	7.51	7.36	305.76	289.89	311.33
New York	39.1	39.8	39.8	8.77	9.16	9.13	342.91	364.57	363.37
Albany-Schenectady-Troy	39.7	40.7	40.6	9.02	9.35	9.37	358.09	380.55	380.42
Binghamton	40.5	41.5	41.1	7.85	8.18	8.10	317.93	339.47	332.91
Buffalo	40.8	41.7	41.8	11.06	11.43	11.36	451.25	476.63	474.85
Elmira	39.9	40.6	40.5	8.80	9.08	8.89	351.12	368.65	360.05
Glens Falls	39.5	40.0	39.5	8.67	9.20	9.20	342.47	368.00	363.40
Monroe County	41.0	42.1	42.0	11.57	11.88	11.82	474.37	500.15	496.44
Nassau-Suffolk	40.1	40.4	40.5	8.61	9.05	9.05	345.26	365.62	366.53
Newburgh-Middletown	38.2	39.9	39.6	6.44	6.87	6.92	246.01	274.11	274.03
New York-Northeastern New Jersey	39.0	(¹)	(¹)	8.56	(¹)	(¹)	334.02	(¹)	(¹)
New York and Nassau-Suffolk	37.7	38.1	38.1	8.10	8.49	8.47	305.37	323.47	322.71
New York SMSA	37.0	37.3	37.3	7.94	8.29	8.27	293.78	309.22	308.47
New York City	36.8	37.0	36.9	7.86	8.17	8.16	289.25	302.29	301.10
Poughkeepsie	42.3	43.1	43.3	8.64	8.63	8.54	365.47	371.95	369.78
Rochester	40.8	41.9	41.6	10.99	11.09	11.06	448.39	464.67	460.10
Rockland County	39.8	40.7	40.3	8.67	9.46	9.46	345.07	385.02	381.24
Syracuse	40.1	41.3	41.3	9.48	10.33	10.30	380.15	426.63	425.39
Utica-Rome	39.7	41.9	41.1	8.13	8.26	8.15	322.76	346.09	334.97
Westchester County	38.2	39.6	39.4	8.45	8.93	8.79	322.79	353.63	346.33
North Carolina	40.0	40.3	40.1	6.63	6.97	6.97	265.20	280.89	279.50
Asheville	39.9	40.7	41.0	6.51	6.90	6.88	259.75	280.83	282.08
Charlotte-Gastonia	41.4	42.0	41.6	6.67	6.95	6.96	276.14	291.90	289.54
Greensboro-Winston-Salem-High Point	39.1	39.5	39.3	7.23	7.59	7.66	282.69	299.81	301.04
Raleigh-Durham	40.0	41.1	40.7	7.85	8.24	8.27	314.00	338.66	336.59
North Dakota	38.0	38.4	38.4	7.85	7.84	7.92	298.30	301.06	304.13
Fargo-Moorhead	37.2	37.9	36.8	8.18	8.20	8.39	304.30	310.78	308.75
Ohio	41.1	42.5	42.1	10.51	10.95	10.92	431.96	465.38	459.73
Akron	42.6	43.8	43.2	10.35	10.76	10.83	440.91	471.29	467.86
Canton	38.9	40.5	41.0	10.53	10.90	10.99	409.62	441.45	450.59
Cincinnati	40.8	42.1	41.7	10.10	10.58	10.50	412.08	445.42	437.85
Cleveland	40.6	42.3	42.3	10.42	10.82	10.86	423.05	457.69	459.38
Columbus	40.3	40.5	40.4	9.90	10.22	10.30	398.97	413.91	416.12
Dayton	41.1	43.0	42.6	10.47	11.12	11.05	430.32	478.16	470.73
Toledo	42.7	43.7	43.6	11.29	11.58	11.55	482.08	506.05	503.58
Youngstown-Warren	42.4	43.5	43.3	12.45	12.88	12.86	527.88	560.28	556.84
Oklahoma	40.0	41.9	41.4	9.08	9.87	9.63	363.20	413.55	398.68
Oklahoma City	39.9	41.5	40.4	9.52	10.35	10.02	379.85	429.53	404.81
Tulsa	39.3	41.1	41.1	9.88	10.37	9.82	388.28	426.21	403.60
Oregon	39.0	39.5	39.5	10.30	10.44	10.48	401.70	412.38	413.96
Eugene-Springfield	40.4	39.6	40.4	10.63	10.73	10.46	429.45	424.91	422.58
Medford	39.8	40.5	39.6	9.66	9.70	9.76	384.47	392.85	386.50
Portland	38.9	39.4	39.6	10.32	10.73	10.72	401.45	422.76	424.51
Salem	37.5	38.1	37.3	9.70	9.31	9.27	363.75	354.71	345.77

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a	May 1983	Apr. 1984	May 1984 ^a
Pennsylvania	39.2	40.2	40.1	\$8.87	\$9.30	\$9.29	\$347.70	\$373.86	\$372.53
Allentown-Bethlehem-Easton	38.1	39.1	39.3	8.89	9.80	9.84	338.71	383.18	386.71
Altoona	38.1	39.4	40.1	7.72	8.03	8.10	294.13	316.38	324.81
Delaware Valley	39.3	40.2	40.0	9.21	9.63	9.59	361.95	387.13	383.60
Erie	40.5	42.2	42.3	9.36	9.79	9.83	379.08	413.14	415.81
Harrisburg	39.5	40.5	40.6	8.36	9.04	9.06	330.22	366.12	367.84
Johnstown	35.8	37.6	37.2	7.80	8.34	8.35	279.24	313.58	310.62
Lancaster	38.9	40.0	39.7	8.24	8.66	8.66	320.54	346.40	343.80
Northeast Pennsylvania	37.2	37.9	38.0	7.28	7.56	7.61	270.82	286.52	289.18
Philadelphia SMSA	39.4	40.3	40.1	9.26	9.66	9.63	364.84	389.30	386.16
Pittsburgh	39.3	41.6	41.3	10.72	11.19	11.23	421.30	465.50	463.80
Reading	40.1	40.6	40.6	8.81	9.37	9.40	353.28	380.42	381.64
Williamsport	39.0	39.7	39.5	7.96	8.14	8.06	310.44	323.16	318.37
York	41.0	41.4	41.6	8.22	8.50	8.55	337.02	351.90	355.68
Rhode Island	39.6	40.1	40.0	6.89	7.15	7.14	272.84	286.72	285.60
Providence-Warwick-Pawtucket	39.7	39.8	39.7	6.85	7.03	7.02	271.95	279.79	278.69
South Carolina	40.1	41.2	40.8	6.99	7.22	7.22	280.30	297.46	294.58
Charleston-North Charleston	41.0	42.4	41.6	8.28	8.69	8.78	339.48	368.46	365.25
Columbia	39.1	41.0	40.2	6.79	7.11	7.12	265.49	291.51	286.22
Greenville-Spartanburg	40.0	40.6	40.5	6.70	7.05	7.06	268.00	286.23	285.93
South Dakota	41.1	41.9	43.1	7.45	7.04	7.02	306.20	294.98	302.56
Sioux Falls	45.7	44.4	44.8	7.94	6.79	6.69	362.86	301.48	299.71
Tennessee	40.6	41.5	41.4	7.44	7.68	7.70	302.06	318.72	318.78
Chattanooga	41.7	42.7	42.1	7.04	7.30	7.45	293.57	311.71	313.64
Knoxville	39.7	40.6	40.6	8.80	9.20	9.21	349.36	373.52	373.93
Memphis	41.4	40.4	40.1	7.80	8.13	8.20	322.92	328.45	328.82
Nashville-Davidson	41.0	41.2	39.7	8.24	8.68	8.66	337.84	357.62	343.80
Texas	40.5	41.8	41.6	8.82	9.06	9.03	357.21	378.71	375.65
Dallas-Fort Worth	40.5	41.6	41.7	8.64	8.90	8.88	349.92	370.24	370.30
Houston	40.9	42.8	42.8	10.73	10.99	10.97	438.86	470.37	469.52
San Antonio	41.7	41.7	41.8	6.53	6.82	6.81	272.30	284.39	284.66
Utah	38.8	40.3	39.6	8.70	8.97	9.03	337.56	361.49	357.59
Salt Lake City-Ogden	39.2	41.2	40.7	8.65	8.83	8.81	339.08	363.80	358.57
Vermont	39.3	40.7	40.3	7.54	7.95	7.92	296.32	323.57	319.18
Burlington	41.1	42.2	42.0	8.44	8.86	8.76	346.88	373.89	367.92
Springfield	39.2	41.7	41.7	7.92	8.15	8.15	310.46	339.86	339.86
Virginia	39.6	40.1	40.1	7.74	8.02	8.03	306.50	321.60	322.00
Bristol	39.2	39.7	39.8	6.51	6.75	6.63	255.19	267.98	263.87
Charlottesville	39.2	39.5	39.2	6.61	6.87	6.97	259.11	271.37	273.22
Danville	41.6	40.4	39.6	7.03	7.37	7.33	292.45	297.75	290.27
Lynchburg	38.5	39.0	38.9	\$7.26	\$7.71	\$7.57	\$279.51	\$300.69	\$294.47
Norfolk-Virginia Beach-Portsmouth	42.2	42.4	42.1	8.03	8.56	8.60	338.87	362.94	362.06
Northern Virginia	40.0	40.6	39.5	8.43	8.86	8.71	337.20	359.72	344.05
Petersburg-Colonial Heights-Hopewell	39.9	40.9	40.2	9.70	9.88	10.19	387.03	404.09	409.64
Richmond	39.2	40.4	40.4	10.30	10.28	10.33	403.76	415.31	417.33
Roanoke	40.4	41.1	39.4	6.86	7.25	7.32	277.14	297.98	288.41
Washington	39.2	39.3	(¹)	11.37	11.57	(¹)	445.70	454.70	(¹)
West Virginia	39.6	41.1	40.8	9.74	9.79	9.83	385.70	402.37	401.06
Charleston	42.3	43.4	43.1	11.04	11.97	12.06	466.99	519.50	519.79
Huntington-Ashland	37.9	41.0	40.8	10.95	11.40	11.18	415.01	467.40	456.14
Parkersburg-Marietta	39.9	41.9	41.9	10.72	11.15	10.84	427.73	467.19	454.20
Wheeling	39.8	39.8	40.1	10.56	11.23	11.71	420.29	446.95	469.57

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p	May 1983	Apr. 1984	May 1984 ^p
Wisconsin	40.4	41.3	41.0	\$9.78	\$10.11	\$10.06	\$395.11	\$417.54	\$412.46
Appleton-Oshkosh	41.9	42.1	42.0	9.36	9.70	9.76	392.18	408.37	409.92
Eau Claire	41.2	41.7	41.5	9.10	9.76	9.78	374.92	406.99	405.87
Green Bay	41.7	40.5	41.3	10.52	10.54	10.67	438.68	426.87	440.67
Janesville-Beloit	40.9	43.3	43.0	10.32	12.03	11.95	422.09	520.90	513.85
Kenosha	41.5	39.9	40.3	11.44	11.71	11.56	474.76	467.23	465.87
La Crosse	39.9	38.8	38.0	8.86	8.96	8.90	353.51	347.65	338.20
Madison	39.6	40.0	39.6	9.40	9.51	9.56	372.24	380.40	378.58
Milwaukee	40.4	41.5	41.1	10.85	11.21	11.11	438.34	465.21	456.62
Racine	39.2	41.2	40.1	10.21	10.42	10.34	400.23	429.30	414.63
Sheboygan	38.9	40.7	40.6	9.27	9.61	9.56	360.60	391.13	388.14
Wausau	41.5	41.0	41.5	8.96	9.15	9.24	371.84	375.15	383.46
Wyoming	35.4	39.7	39.9	8.69	8.99	8.89	307.63	356.90	354.71
Puerto Rico	38.7	39.7	38.9	4.76	4.94	4.90	184.21	196.12	190.34
Virgin Islands	40.3	42.6	44.8	10.44	10.17	9.52	420.73	433.24	426.50

¹ Not available.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and Area data have been adjusted to March 1983 benchmarks except Gary-Hammond-East Chicago and Indianapolis,

Indiana; New Jersey; New York-Northeastern New Jersey, New York; and Wisconsin. Corrected December 1983 data on average weekly hours, average hourly earnings, and average weekly earnings for Portland, Oregon are 39.9, \$10.59, and \$422.54, respectively. Corrected 1983 annual data are 39.3, \$10.44, and \$410.29, respectively.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted

Industry	Millions of hours (annual rate)			Percent change		
	Apr. 1984	May 1984	June 1984	June 1983 to June 1984	Apr. 1984 to May 1984	May 1984 to June 1984
Total	176,890	176,189	176,791	5.6	-0.4	0.3
Private sector	144,563	144,711	145,476	6.5	.1	.5
Mining	2,255	2,276	2,294	10.2	.9	.8
Construction	8,305	8,412	8,613	13.8	1.3	2.4
Manufacturing	41,202	41,031	41,191	7.8	-.4	.4
Durable goods	24,636	24,597	24,763	10.7	-.2	.7
Nondurable goods	16,566	16,433	16,427	3.7	-.8	.0
Transportation and public utilities	10,551	10,558	10,583	4.3	.1	.2
Wholesale trade	11,006	11,050	11,076	5.5	.4	.2
Retail trade	25,160	25,297	25,315	5.1	.5	.1
Finance, insurance, and real estate	10,680	10,660	10,718	4.3	-.2	.5
Services	35,405	35,428	35,685	5.8	.1	.7
Government	32,327	31,478	31,315	1.5	-2.6	-.5

Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

· preliminary.
· revised.

NOTE: Data refer to hours of all employees—production workers,

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted

(1977 = 100)

Item	Annual average		Quarterly index										
	1982	1983	1981		1982				1983				1984
			III	IV	I	II	III	IV	I	II	III	IV	I
Business sector													
Output per hour of all persons	101.2	103.9	102.3	101.2	101.1	100.7	101.1	101.9	102.4	103.9	104.2	105.3	106.3
Output	106.7	111.1	111.2	108.9	107.2	106.9	106.6	106.0	107.1	110.4	112.4	114.5	117.8
Hours	105.4	107.0	108.7	107.7	106.0	106.2	105.4	104.0	104.6	106.2	107.9	108.8	110.7
Compensation per hour	155.1	163.0	145.5	148.2	151.6	154.0	156.5	158.6	160.6	162.0	163.5	166.2	168.6
Real compensation per hour	97.4	99.2	95.6	95.8	97.1	97.3	97.2	98.1	99.3	99.1	99.0	99.5	99.8
Unit labor costs	153.3	156.9	142.3	146.4	149.9	152.9	154.7	155.6	156.9	156.0	156.9	157.9	158.6
Unit nonlabor payments	136.9	146.1	139.9	140.2	137.0	137.0	136.3	137.4	140.9	145.7	147.6	149.9	151.9
Implicit price deflator	147.7	153.2	141.5	144.3	145.5	147.5	148.5	149.4	151.5	152.5	153.8	155.2	156.3
Nonfarm business sector													
Output per hour of all persons	100.2	103.4	101.1	99.9	100.0	99.9	100.5	100.7	101.6	103.4	104.0	104.7	105.6
Output	106.3	111.1	110.5	108.2	106.5	106.7	106.5	105.4	106.7	110.2	112.5	114.8	117.8
Hours	106.0	107.4	109.4	108.2	106.5	106.8	106.0	104.6	105.0	106.6	108.2	109.6	111.6
Compensation per hour	154.7	163.4	145.1	147.7	151.3	153.5	156.1	158.3	160.8	162.6	164.1	165.9	168.3
Real compensation per hour	97.1	99.4	95.3	95.5	96.9	97.0	97.0	97.9	99.4	99.4	99.3	99.3	99.6
Unit labor costs	154.4	157.9	143.5	147.8	151.3	153.6	155.4	157.1	158.3	157.2	157.8	158.4	159.4
Unit nonlabor payments	137.0	146.6	138.3	139.5	136.4	137.7	136.5	137.2	140.7	145.8	148.3	151.3	151.9
Implicit price deflator	148.6	154.2	141.8	145.0	146.4	148.3	149.1	150.5	152.4	153.4	154.7	156.1	156.9
Manufacturing													
Output per hour of all persons	106.5	113.1	106.1	104.4	105.2	105.4	107.8	107.8	109.5	111.7	114.9	116.0	116.8
Output	99.1	106.8	108.1	103.3	100.3	99.6	99.5	97.1	99.7	104.5	110.0	112.7	116.3
Hours	93.0	94.4	101.9	98.9	95.3	94.4	92.3	90.0	91.1	93.5	95.7	97.2	99.5
Compensation per hour	158.2	166.7	147.0	150.5	155.2	157.2	159.6	161.2	165.1	166.0	167.1	168.7	171.3
Real compensation per hour	99.3	101.4	96.6	97.2	99.4	99.3	99.1	99.7	102.1	101.5	101.2	101.1	101.4
Unit labor costs	148.5	147.4	138.5	144.1	147.5	149.1	148.1	149.5	150.8	148.5	145.4	145.5	146.7
Durable goods													
Output per hour of all persons	105.4	112.5	105.3	103.7	103.8	104.3	106.8	106.9	108.7	111.2	114.2	115.7	117.2
Output	97.3	104.9	108.9	103.3	99.4	98.3	97.6	93.9	97.0	102.2	108.3	112.0	117.0
Hours	92.3	93.2	103.4	99.6	95.7	94.3	91.4	87.8	89.3	91.9	94.9	96.8	99.8
Compensation per hour	157.9	166.4	146.9	150.6	154.7	156.8	159.6	160.8	164.9	165.6	166.8	168.0	170.7
Real compensation per hour	99.1	101.2	96.5	97.4	99.0	99.1	99.1	99.5	102.0	101.3	101.0	100.6	101.0
Unit labor costs	149.8	147.9	139.6	145.2	149.0	150.3	149.4	150.5	151.8	148.9	146.1	145.2	145.7
Nondurable goods													
Output per hour of all persons	108.2	113.9	107.4	105.5	107.3	107.1	109.2	109.2	110.7	112.5	116.0	116.4	116.3
Output	101.8	109.5	107.0	103.3	101.7	101.4	102.3	101.8	103.8	107.9	112.5	113.9	115.2
Hours	94.1	96.1	99.6	97.9	94.8	94.6	93.7	93.3	93.8	95.9	97.0	97.8	99.1
Compensation per hour	159.1	168.0	146.4	149.9	155.9	157.9	160.2	162.9	166.2	167.3	168.0	170.2	172.3
Real compensation per hour	99.9	102.2	96.2	96.9	99.8	99.8	99.5	100.7	102.8	102.3	101.7	101.9	101.9
Unit labor costs	147.1	147.4	136.3	142.1	145.3	147.4	146.7	149.2	150.2	148.6	144.8	146.2	148.2
Nonfinancial corporations													
Output per all-employee hour	102.8	106.2	103.0	102.2	102.4	102.3	103.3	103.4	104.2	105.8	106.9	107.8	108.3
Output	107.8	112.5	112.9	110.4	108.6	108.1	108.0	106.4	107.6	111.3	114.3	116.8	119.5
Hours	104.8	105.9	109.6	108.1	106.0	105.7	104.6	102.9	103.3	105.2	106.9	108.4	110.3
Compensation per hour	154.8	162.2	145.0	147.8	151.7	153.7	156.1	158.1	160.3	161.4	162.6	164.5	166.3
Real compensation per hour	97.2	98.7	95.2	95.5	97.1	97.1	96.9	97.8	99.1	98.7	98.5	98.5	98.4
Total unit costs	153.5	155.2	143.6	147.7	150.9	153.1	153.8	156.3	156.7	155.3	154.5	154.4	154.8
Unit labor costs	150.6	152.8	140.7	144.6	148.1	150.2	151.1	152.9	153.9	152.5	152.1	152.6	153.5
Unit nonlabor costs	161.8	162.1	151.9	156.6	158.9	161.2	161.3	165.9	164.7	163.1	161.2	159.6	158.4
Unit profits	88.9	122.1	108.6	104.2	90.8	90.3	91.2	83.0	96.1	115.0	131.5	143.6	146.9
Implicit price deflator	146.1	151.4	139.6	142.7	144.0	145.9	146.6	147.9	149.7	150.7	151.8	153.2	153.9

Measures for the first quarter of 1984 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	IV 1982	I 1983	II 1983	III 1983	IV 1983	I 1984	IV 1982	I 1983	II 1983	III 1983	IV 1983	I 1984
Business sector												
Output per hour of all persons	3.2	1.9	5.9	1.2	4.2	4.1	0.7	1.3	3.1	3.0	3.3	3.9
Output	-2.3	4.2	12.7	7.8	7.6	11.8	-2.7	-.1	3.2	5.5	8.0	10.0
Hours	-5.3	2.3	6.5	6.5	3.3	7.3	-3.4	-1.3	.1	2.4	4.6	5.9
Compensation per hour	5.6	5.2	3.5	3.6	6.9	5.9	7.0	6.0	5.2	4.5	4.8	5.0
Real compensation per hour	4.0	4.9	-.8	-.6	2.3	.9	2.4	2.3	1.9	1.8	1.4	.5
Unit labor costs	2.3	3.3	-2.2	2.3	2.5	1.7	6.3	4.7	2.1	1.4	1.5	1.1
Unit nonlabor payments	3.2	10.6	14.4	5.4	6.2	5.7	-2.0	2.8	6.4	8.3	9.1	7.9
Implicit price deflator	2.6	5.5	2.8	3.3	3.7	3.0	3.5	4.1	3.4	3.6	3.8	3.2
Nonfarm business sector												
Output per hour of all persons	1.2	3.5	7.1	2.3	2.7	3.5	.8	1.7	3.5	3.5	3.9	3.9
Output	-4.1	4.9	13.7	8.9	8.1	11.1	-2.6	.2	3.3	5.7	8.9	10.4
Hours	-5.2	1.3	6.2	6.4	5.2	7.3	-3.3	-1.4	-.2	2.1	4.8	6.3
Compensation per hour	5.6	6.6	4.4	3.8	4.3	6.0	7.1	6.3	5.9	5.1	4.8	4.6
Real compensation per hour	4.0	6.3	.0	-.3	-.1	1.0	2.5	2.6	2.5	2.5	1.4	.1
Unit labor costs	4.4	3.0	-2.6	1.5	1.6	2.4	6.3	4.6	2.3	1.5	.8	.7
Unit nonlabor payments	2.1	10.6	15.1	7.3	8.3	1.4	-1.6	3.1	5.9	8.7	10.3	7.9
Implicit price deflator	3.7	5.3	2.7	3.3	3.7	2.1	3.7	4.1	3.4	3.7	3.7	2.9
Manufacturing												
Output per hour of all persons .....	.2	6.2	8.5	11.8	3.8	2.9	3.3	4.1	6.0	6.6	7.6	6.7
Output	-9.4	11.5	20.6	22.8	10.2	13.2	-6.0	-.6	5.0	10.6	16.1	16.6
Hours	-9.6	4.9	11.1	9.8	6.1	10.1	-9.0	-4.5	-.9	3.7	8.0	9.3
Compensation per hour	4.0	10.0	2.1	2.7	4.0	6.3	7.1	6.4	5.6	4.7	4.7	3.8
Real compensation per hour	2.4	9.7	-2.2	-1.4	-.4	1.3	2.6	2.7	2.2	2.0	1.3	-.7
Unit labor costs	3.8	3.6	-5.9	-8.1	.2	3.3	3.7	2.2	-.4	-1.8	-2.7	-2.7
Durable goods												
Output per hour of all persons .....	.3	6.7	9.7	11.1	5.6	5.3	3.1	4.7	6.6	6.9	8.2	7.9
Output	-14.6	14.1	23.3	26.1	14.1	19.3	-9.1	-2.4	4.0	11.0	19.3	20.6
Hours	-14.9	6.9	12.4	13.5	8.1	13.4	-11.9	-6.7	-2.5	3.8	10.2	11.8
Compensation per hour	3.3	10.6	1.6	2.8	3.0	6.7	6.8	6.6	5.6	4.5	4.5	3.5
Real compensation per hour	1.7	10.2	-2.6	-1.3	-1.3	1.6	2.2	2.9	2.2	1.9	1.1	-.9
Unit labor costs	2.9	3.7	-7.3	-7.5	-2.4	1.3	3.6	1.9	-.9	-2.2	-3.5	-4.1
Nondurable goods												
Output per hour of all persons	-.1	5.6	6.9	12.9	1.4	-.6	3.5	3.2	5.1	6.3	6.6	5.0
Output	-1.6	8.0	16.8	18.3	4.7	4.7	-1.4	2.1	6.5	10.1	11.8	10.9
Hours	-1.6	2.2	9.3	4.7	3.3	5.3	-4.7	-1.1	1.3	3.6	4.8	5.6
Compensation per hour	6.9	8.6	2.5	1.8	5.3	5.0	8.7	6.6	6.0	4.9	4.5	3.6
Real compensation per hour	5.3	8.2	-1.7	-2.2	.8	.0	4.0	2.9	2.5	2.3	1.2	-.8
Unit labor costs	7.0	2.8	-4.1	-9.8	3.8	5.5	5.0	3.4	.8	-1.3	-2.0	-1.3
Nonfinancial corporations¹												
Output per all-employee hour .....	.4	3.2	6.6	4.2	3.4	2.0	1.1	1.7	3.5	3.6	4.3	4.0
Output	-6.0	4.6	14.6	11.1	9.3	9.6	-3.7	-1.0	2.9	5.8	9.8	11.1
Hours	-6.4	1.4	7.6	6.6	5.7	7.5	-4.8	-2.6	-.5	2.2	5.3	6.8
Compensation per hour	5.2	5.7	2.9	3.0	4.6	4.5	6.9	5.7	5.0	4.2	4.1	3.8
Real compensation per hour	3.6	5.4	-1.4	-1.1	.2	-.5	2.4	2.0	1.7	1.6	.7	-.7
Total unit costs	6.7	1.0	-3.5	-2.1	-.2	1.0	5.8	3.8	1.4	.4	-1.2	-1.2
Unit labor costs	4.8	2.5	-3.4	-1.1	1.2	2.5	5.7	3.9	1.5	.6	-.2	-.2
Unit nonlabor costs	11.9	-2.8	-3.8	-4.7	-4.0	-2.7	6.0	3.7	1.2	-.1	-3.8	-3.8
Unit profits	-31.4	79.9	104.7	71.0	42.4	9.6	-20.3	5.8	27.3	44.2	73.1	52.9
Implicit price deflator	3.6	5.1	2.5	3.1	3.5	1.9	3.6	4.0	3.3	3.6	3.6	2.8

¹ Measures for the first quarter of 1984 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force						Unemployed		
	Number			Percent of labor force					
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Alabama	1,782.7	1,777.0	1,776.3	247.7	197.1	184.9	13.9	11.1	10.4
Birmingham	397.4	393.0	391.4	53.3	39.8	37.0	13.4	10.1	9.5
Huntsville	159.7	164.9	165.2	16.3	14.6	13.3	10.2	8.8	8.1
Mobile	200.2	199.0	198.3	31.9	25.4	23.8	15.9	12.7	12.0
Montgomery	130.3	130.6	130.7	14.6	11.7	10.9	11.2	8.9	8.3
Tuscaloosa	57.3	58.1	58.2	7.7	5.6	6.0	13.4	9.7	10.3
Alaska	232.1	236.7	242.9	25.1	28.0	25.6	10.8	11.8	10.5
Arizona	1,381.6	1,406.1	1,402.8	131.0	71.1	71.6	9.5	5.1	5.1
Phoenix	852.0	889.2	887.0	62.9	34.5	34.5	7.4	3.9	3.9
Tucson	257.7	259.3	258.4	24.0	11.5	11.2	9.3	4.4	4.3
Arkansas	1,038.1	1,067.6	1,083.1	107.7	92.9	93.1	10.4	8.7	8.6
Fayetteville-Springdale	83.5	87.6	87.9	6.0	5.0	4.8	7.2	5.8	5.4
Fort Smith	93.1	94.0	95.0	10.8	7.8	8.6	11.6	8.3	9.1
Little Rock-North Little Rock	198.5	206.0	207.5	16.3	13.9	14.0	8.2	6.7	6.7
Pine Bluff	38.7	39.0	39.6	4.2	3.5	3.8	10.9	9.1	9.5
California¹	12,259.3	12,373.1	12,433.7	1,215.6	952.3	898.2	9.9	7.7	7.2
Anaheim-Santa Ana-Garden Grove	1,219.6	1,254.3	1,267.8	79.7	53.4	52.7	6.5	4.3	4.2
Bakersfield	213.2	217.9	220.5	28.6	27.8	24.8	13.4	12.7	11.2
Fresno	290.5	292.4	297.8	41.9	40.5	36.5	14.4	13.9	12.3
Los Angeles-Long Beach	3,801.0	3,758.0	3,746.0	382.0	275.0	266.0	10.1	7.3	7.1
Modesto	138.8	137.6	140.1	28.9	25.8	24.5	20.8	18.8	17.5
Oxnard-Simi Valley-Ventura	265.5	268.5	269.3	24.2	19.1	18.8	9.1	7.1	7.0
Riverside-San Bernardino-Ontario	640.2	651.5	652.8	69.1	56.5	54.2	10.8	8.7	8.3
Sacramento	520.8	534.9	535.9	54.3	45.1	41.0	10.4	8.4	7.6
Salinas-Seaside-Monterey	147.2	149.2	152.7	16.9	16.1	12.7	11.5	10.8	8.3
San Diego	843.5	870.0	878.0	71.4	52.3	50.8	8.5	6.0	5.8
San Francisco-Oakland	1,747.9	1,767.3	1,774.6	140.7	108.9	104.2	8.0	6.2	5.9
San Jose	841.4	866.3	867.9	63.7	43.2	41.7	7.6	5.0	4.8
Santa Barbara-Santa Maria-Lompoc	162.2	165.5	166.7	12.2	9.4	8.7	7.5	5.7	5.2
Santa Rosa	147.7	149.3	151.3	14.1	10.3	9.9	9.6	6.9	6.5
Stockton	178.6	175.8	183.2	28.7	25.0	22.4	16.1	14.2	12.3
Vallejo-Fairfield-Napa	142.0	140.5	142.1	15.6	9.9	9.3	11.0	7.1	6.5
Colorado	1,673.3	1,694.3	1,705.3	115.8	86.0	85.8	6.9	5.1	5.0
Denver-Boulder	1,005.2	1,015.4	1,022.4	57.5	41.4	41.9	5.7	4.1	4.1
Connecticut	1,606.8	1,629.1	1,646.8	95.3	69.8	68.2	5.9	4.3	4.1
Bridgeport	191.3	190.3	192.2	13.8	9.2	9.4	7.2	4.8	4.9
Hartford	388.9	391.2	395.2	21.1	15.4	15.3	5.4	3.9	3.9
New Britain	70.8	70.2	70.6	5.0	3.8	3.4	7.0	5.4	4.8
New Haven-West Haven	199.7	206.2	208.3	12.4	9.4	9.2	6.2	4.6	4.4
Stamford	125.4	126.2	127.2	5.2	3.8	3.4	4.1	3.0	2.6
Waterbury	105.3	104.7	105.8	7.7	4.8	5.0	7.3	4.5	4.7
Delaware	297.2	307.0	308.3	24.0	17.3	15.0	8.1	5.6	4.9
Wilmington	263.8	272.5	271.3	21.7	16.2	14.0	8.2	5.9	5.1
District of Columbia	325.1	313.1	311.3	38.2	33.3	30.7	11.8	10.6	9.9
Washington SMSA	1,784.8	1,802.4	1,815.5	90.5	72.6	71.3	5.1	4.0	3.9
Florida¹	4,743.3	4,932.7	5,032.1	412.0	283.4	304.5	8.7	5.7	6.1
Daytona Beach	116.4	123.1	126.0	8.3	5.7	6.1	7.1	4.6	4.8
Fort Lauderdale-Hollywood	494.9	516.5	526.4	37.8	23.9	25.9	7.6	4.6	4.9
Fort Myers-Cape Coral	104.9	109.4	111.7	8.3	5.2	5.9	7.9	4.8	5.2
Gainesville	80.2	82.9	85.3	3.9	2.4	3.3	4.8	2.8	3.9
Jacksonville	355.2	364.0	373.3	31.3	19.3	21.1	8.8	5.3	5.7
Lakeland-Winter Haven	145.6	143.6	147.1	20.6	15.9	16.2	14.2	11.1	11.0
Melbourne-Titusville-Cocoa	130.5	140.5	143.1	10.1	6.9	7.5	7.7	4.9	5.2
Miami	824.7	845.9	858.4	85.1	57.2	63.5	10.3	6.8	7.4
Orlando	413.2	438.4	447.2	28.5	23.3	22.9	6.9	5.3	5.1
Pensacola	127.6	134.6	136.8	10.1	6.9	7.5	7.9	5.2	5.5
Sarasota	88.5	91.3	91.9	5.8	3.4	3.4	6.6	3.7	3.7
Tallahassee	86.9	90.9	93.1	4.7	3.3	3.8	5.4	3.6	4.1
Tampa-St. Petersburg	752.0	780.1	793.3	58.7	39.2	40.9	7.8	5.0	5.2
West Palm Beach-Boca Raton	289.5	312.0	316.2	25.3	17.6	19.5	8.7	5.7	6.2

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas--Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Georgia	2,684.8	2,752.7	2,771.9	208.3	161.9	162.3	7.8	5.9	5.9
Albany	52.7	52.7	53.2	5.2	4.4	4.4	9.9	8.4	8.2
Athens	66.4	67.2	67.6	4.6	3.5	3.5	7.0	5.2	5.2
Atlanta	1,122.6	1,159.4	1,169.3	73.0	55.7	57.1	6.5	4.8	4.9
Augusta	138.3	136.8	137.0	13.1	10.0	9.6	9.4	7.3	7.0
Columbus	88.4	90.4	90.6	8.1	6.6	6.6	9.2	7.3	7.3
Macon	108.9	109.2	109.5	8.7	7.0	7.3	8.0	6.4	6.6
Savannah	99.0	100.0	99.8	9.2	7.1	7.3	9.3	7.1	7.3
Hawaii	473.5	475.3	477.7	30.5	25.6	26.4	6.4	5.4	5.5
Honolulu	361.2	364.2	366.2	20.9	17.2	18.2	5.8	4.7	5.0
Idaho	460.3	460.5	461.7	44.9	35.7	31.5	9.8	7.8	6.8
Boise City	97.2	96.5	96.8	7.6	5.4	5.0	7.8	5.6	5.2
Illinois'	5,610.3	5,532.5	5,581.2	660.3	527.2	489.3	11.8	9.5	8.8
Bloomington-Normal	63.1	66.2	65.1	5.1	4.3	3.9	8.1	6.6	6.0
Champaign-Urbana-Rantoul	87.8	87.5	88.5	6.0	5.0	5.0	6.8	5.7	5.6
Chicago	3,460.1	3,408.8	3,435.8	375.6	297.6	283.3	10.9	8.7	8.2
Davenport-Rock Island-Moline	193.1	186.1	187.4	28.9	20.8	18.8	14.9	11.2	10.0
Decatur	63.2	60.5	60.6	10.5	6.2	5.7	16.6	10.2	9.4
Kankakee	42.4	40.4	40.0	7.0	5.2	4.8	16.5	12.8	12.1
Peoria	172.7	164.9	165.7	27.8	19.6	17.8	16.1	11.9	10.7
Rockford	138.9	136.5	137.8	19.9	13.6	12.5	14.3	10.0	9.1
Springfield	104.5	102.8	102.8	9.2	7.6	6.8	8.8	7.4	6.6
Indiana	2,619.1	2,590.8	2,633.3	299.3	244.0	234.9	11.4	9.4	8.9
Anderson	57.0	55.2	56.3	7.5	4.4	4.5	13.1	8.0	8.0
Elkhart	77.0	82.0	84.6	4.8	3.9	4.2	6.3	4.7	5.0
Evansville	151.2	148.5	150.8	16.7	13.0	12.8	11.0	8.7	8.5
Fort Wayne	187.4	180.9	183.9	21.6	15.0	14.6	11.5	8.3	8.0
Gary-Hammond-East Chicago	278.0	265.2	266.6	44.8	37.8	36.5	16.1	14.3	13.7
Indianapolis	612.8	607.4	620.0	60.7	48.0	45.8	9.9	7.9	7.4
Lafayette-West Lafayette	62.6	64.3	64.0	5.0	3.9	3.9	7.9	6.0	6.1
Muncie	55.6	54.5	55.3	7.0	4.8	4.9	12.6	8.9	8.8
South Bend	140.7	142.7	145.3	12.8	10.5	10.3	9.1	7.4	7.1
Terre Haute	82.0	81.3	82.0	11.1	9.4	8.5	13.5	11.5	10.3
Iowa	1,461.7	1,433.6	1,440.3	120.5	112.7	97.4	8.2	7.9	6.8
Cedar Rapids	86.1	84.1	83.5	7.5	7.1	6.1	8.7	8.4	7.3
Des Moines	188.8	186.9	186.4	14.4	11.9	10.4	7.6	6.4	5.6
Dubuque	43.3	42.9	42.8	5.2	4.0	3.5	12.0	9.2	8.1
Sioux City	55.0	54.6	54.8	4.4	4.1	3.6	8.1	7.5	6.6
Waterloo-Cedar Falls	66.9	65.2	64.2	8.6	8.2	7.0	12.8	12.5	10.8
Kansas	1,195.1	1,183.8	1,200.5	73.6	64.2	59.6	6.2	5.4	5.0
Empire	34.7	34.1	34.6	1.8	1.6	1.5	5.1	4.8	4.4
Topeka	94.4	94.8	95.4	6.2	5.8	5.2	6.6	6.1	5.4
Wichita	221.1	224.3	227.0	17.1	13.6	12.8	7.7	6.0	5.6
Kentucky	1,721.7	1,735.9	1,746.1	209.9	165.2	156.1	12.2	9.5	8.9
Lexington-Lafayette	188.6	190.3	190.1	10.9	8.5	8.1	5.8	4.5	4.3
Louisville	435.4	437.4	440.4	50.2	38.9	37.8	11.5	8.9	8.6
Owensboro	45.3	46.3	46.5	4.9	4.2	3.9	10.8	9.0	8.5
Louisiana	1,929.9	1,916.5	1,930.7	237.5	170.9	171.5	12.3	8.9	8.9
Alexandria	77.3	77.3	77.5	9.3	7.1	7.0	12.0	9.2	9.1
Baton Rouge	240.8	243.7	244.8	24.6	17.6	17.8	10.2	7.2	7.3
Lafayette	97.8	96.3	96.6	8.3	5.6	5.7	8.4	5.8	5.9
Lake Charles	79.0	75.7	75.4	11.3	10.0	10.1	14.3	13.2	13.4
Monroe	60.9	58.4	58.5	6.7	5.0	5.2	11.0	8.6	8.9
New Orleans	533.6	533.2	537.1	57.3	41.9	43.1	10.7	7.9	8.0
Shreveport	171.3	170.5	171.8	20.1	12.6	12.3	11.7	7.4	7.1
Maine	535.2	545.3	554.5	51.2	41.0	36.2	9.6	7.5	6.5
Lewiston	38.9	40.3	40.5	3.7	2.7	2.7	9.6	6.7	6.7
Portland	97.6	104.6	105.7	6.8	4.7	4.1	7.0	4.5	3.9
Maryland	2,227.2	2,205.5	2,223.0	152.2	112.8	108.8	6.8	5.1	4.9
Baltimore	1,095.2	1,075.5	1,084.6	86.4	62.9	62.5	7.9	5.9	5.8

See end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P
Massachusetts ¹	2,935.8	3,036.2	3,018.8	191.6	153.2	119.6	6.5	5.0	4.0
Boston	1,422.3	1,482.2	1,475.9	79.8	63.5	51.2	5.6	4.3	3.5
Brockton	80.6	82.9	82.2	6.3	4.7	3.7	7.8	5.7	4.6
Fall River	76.8	78.2	76.9	6.9	5.8	4.6	9.0	7.5	6.0
Fitchburg-Leominster	49.4	51.3	51.3	4.1	2.7	2.1	8.4	5.2	4.0
Lawrence-Haverhill	146.0	146.7	147.4	10.4	8.1	7.6	7.1	5.6	5.2
Lowell	134.1	144.1	142.1	6.9	5.6	4.3	5.2	3.9	3.0
New Bedford	82.8	87.8	86.6	7.4	6.8	4.9	9.0	7.7	5.6
Pittsfield	64.2	67.4	66.8	4.8	4.5	3.3	7.5	6.7	4.9
Springfield-Chicopee-Holyoke	284.4	289.6	286.8	19.9	16.4	12.5	7.0	5.7	4.4
Worcester	192.3	191.1	189.4	14.4	9.3	7.3	7.5	4.8	3.8
Michigan ¹	4,390.9	4,330.6	4,395.1	643.3	478.5	496.5	14.7	11.0	11.3
Ann Arbor	147.2	(?)	(?)	15.6	(?)	(?)	10.6	(?)	(?)
Battle Creek	81.8	(?)	(?)	12.2	(?)	(?)	15.0	(?)	(?)
Bay City	53.8	(?)	(?)	9.0	(?)	(?)	16.8	(?)	(?)
Benton Harbor	73.6	(?)	(?)	12.1	(?)	(?)	16.4	(?)	(?)
Detroit	2,024.4	(?)	(?)	310.3	(?)	(?)	15.3	(?)	(?)
Flint	224.7	(?)	(?)	35.9	(?)	(?)	16.0	(?)	(?)
Grand Rapids	341.8	(?)	(?)	39.3	(?)	(?)	11.5	(?)	(?)
Jackson	67.1	(?)	(?)	11.0	(?)	(?)	16.4	(?)	(?)
Kalamazoo-Portage	142.1	(?)	(?)	16.2	(?)	(?)	11.4	(?)	(?)
Lansing-East Lansing	250.8	(?)	(?)	26.5	(?)	(?)	10.6	(?)	(?)
Muskegon-Norton Shores-Muskegon Heights	78.9	(?)	(?)	14.3	(?)	(?)	18.2	(?)	(?)
Saginaw	99.5	(?)	(?)	13.8	(?)	(?)	13.8	(?)	(?)
Minnesota	2,196.2	2,222.0	2,256.6	183.0	145.9	131.6	8.3	6.6	5.8
Duluth-Superior	113.2	104.6	106.2	20.0	12.6	11.1	17.6	12.1	10.4
Minneapolis-St.Paul	1,180.2	1,215.7	1,229.0	82.1	57.7	55.0	7.0	4.7	4.5
Rochester	58.9	59.5	60.1	3.3	2.7	2.6	5.6	4.5	4.2
St. Cloud	79.5	80.9	81.8	7.7	6.3	5.5	9.7	7.8	6.7
Mississippi	1,084.8	1,031.9	1,051.5	146.0	95.8	99.5	13.5	9.3	9.5
Jackson	160.4	156.8	159.5	14.1	9.2	9.4	8.8	5.8	5.9
Missouri	2,373.0	2,397.9	2,405.7	241.3	191.4	170.6	10.2	8.0	7.1
Kansas City	690.6	693.5	696.2	57.6	42.0	37.9	8.3	6.1	5.4
St. Joseph	46.6	46.7	46.2	5.1	4.3	3.8	11.0	9.2	8.2
St. Louis	1,150.6	1,162.9	1,166.5	127.1	102.9	93.8	11.0	8.8	8.0
Springfield	113.1	115.2	114.0	9.2	6.7	6.1	8.2	5.8	5.3
Montana	395.7	403.5	404.5	34.5	35.1	29.4	8.7	8.7	7.3
Nebraska	800.5	787.6	797.6	45.9	32.9	28.5	5.7	4.2	3.6
Lincoln	109.6	107.7	109.5	4.9	3.2	2.9	4.4	3.0	2.7
Omaha	289.0	287.1	292.8	17.5	13.1	13.4	6.1	4.6	4.6
Nevada	488.5	501.0	497.6	49.6	36.0	32.9	10.2	7.2	6.6
Las Vegas	274.0	286.3	286.8	28.6	21.5	20.2	10.4	7.5	7.0
Reno	132.1	132.7	130.1	11.9	7.7	6.8	9.0	5.8	5.2
New Hampshire	498.6	506.8	510.9	28.2	22.7	24.1	5.7	4.5	4.7
Manchester	87.0	89.5	90.7	4.8	3.7	3.6	5.5	4.2	4.0
Nashua	87.1	90.5	91.4	3.9	2.6	2.4	4.5	2.9	2.7
New Jersey ¹	3,615.0	3,892.4	3,885.6	271.8	256.1	243.1	7.5	6.6	6.3
Atlantic City	120.3	131.0	134.5	9.8	10.5	9.8	8.2	8.0	7.3
Jersey City	233.0	249.5	247.5	29.2	27.9	26.5	12.5	11.2	10.7
Long Branch-Asbury Park	247.8	269.3	272.8	16.6	15.4	15.8	6.7	5.7	5.8
New Brunswick-Perth Amboy-Sayreville	335.4	363.3	359.2	23.1	20.3	19.1	6.9	5.6	5.3
Newark	965.3	1,046.2	1,037.9	69.7	63.9	60.3	7.2	6.1	5.8
Paterson-Clifton-Passaic	214.3	232.5	230.9	20.9	20.3	19.3	9.8	8.8	8.4
Trenton	159.8	172.5	171.3	9.6	8.7	8.4	6.0	5.0	4.9
Vineland-Millville-Bridgeton	56.4	60.5	59.9	7.7	8.8	8.2	13.6	14.6	13.7
New Mexico	607.9	618.1	618.5	62.9	45.9	42.4	10.3	7.4	6.9
Albuquerque	229.7	238.4	238.8	19.4	14.4	13.5	8.5	6.0	5.7
Las Cruces	41.9	43.3	43.9	4.0	2.9	3.1	9.5	6.8	7.1

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed		Percent of labor force				
				Number						
	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	May 1983	Apr. 1984	May 1984 ^P	
New York¹	7,856.1	7,935.8	7,990.4	668.0	516.1	509.2	8.5	6.5	6.4	
Albany-Schenectady-Troy	375.1	378.8	377.8	28.7	20.1	19.9	7.7	5.3	5.3	
Binghamton	138.0	138.5	139.0	11.6	7.7	7.3	8.4	5.5	5.2	
Buffalo	534.2	518.7	514.4	69.0	44.2	43.7	12.9	8.5	8.5	
Elmira	36.3	36.5	36.2	4.2	2.9	2.6	11.6	7.8	7.3	
Glens-Falls	46.0	45.3	45.7	4.5	3.4	3.0	9.7	7.5	6.6	
Nassau-Suffolk	1,369.0	1,391.7	1,396.9	86.8	61.1	63.3	6.3	4.4	4.5	
New York	3,508.1	3,587.0	3,643.6	293.1	255.8	255.0	8.4	7.1	7.0	
New York City	2,893.0	2,959.0	3,017.0	259.0	229.0	229.0	8.9	7.7	7.6	
Newburgh-Middletown	110.7	108.2	108.2	10.4	6.3	6.1	9.4	5.8	5.6	
Poughkeepsie	114.5	116.3	116.2	7.6	5.0	5.0	6.6	4.3	4.3	
Rochester	470.7	469.0	467.3	41.5	27.5	25.9	8.8	5.9	5.5	
Syracuse	298.0	303.1	299.6	23.8	16.9	16.2	8.0	5.6	5.4	
Utica-Rome	132.0	132.0	132.4	12.2	9.0	8.8	9.3	6.8	6.6	
North Carolina	2,940.7	2,986.3	3,016.3	280.3	186.9	175.4	9.5	6.3	5.8	
Asheville	87.0	86.4	87.3	7.3	5.1	4.9	8.4	6.0	5.6	
Charlotte-Gastonia	375.1	384.5	388.1	28.1	18.1	17.2	7.5	4.7	4.4	
Greensboro-Winston-Salem-High Point	442.3	452.0	454.8	37.9	24.2	22.0	8.6	5.4	4.8	
Raleigh-Durham	318.4	335.5	334.6	15.5	10.9	10.4	4.9	3.2	3.1	
North Dakota	327.7	326.9	339.1	18.3	17.4	14.3	5.6	5.3	4.2	
Fargo-Moorehead	74.4	76.4	77.3	3.9	3.4	2.7	5.3	4.5	3.5	
Ohio¹	5,153.3	4,995.5	5,086.0	662.7	489.0	493.3	12.9	9.8	9.7	
Akron	307.6	300.3	305.8	40.0	31.9	31.2	13.0	10.6	10.2	
Canton	191.0	182.6	185.7	30.3	20.5	20.9	15.8	11.2	11.3	
Cincinnati	692.0	683.0	695.2	75.9	58.1	60.1	11.0	8.5	8.7	
Cleveland	935.9	896.6	911.6	113.8	83.0	86.6	12.2	9.3	9.5	
Columbus	580.0	580.3	590.9	53.7	45.1	46.7	9.3	7.8	7.9	
Dayton	391.3	387.1	391.9	41.4	32.6	32.8	10.6	8.4	8.4	
Toledo	379.0	(²)	(²)	50.6	(²)	(²)	13.4	(²)	(²)	
Youngstown-Warren	230.7	216.3	219.9	40.4	25.8	26.0	17.5	11.9	11.8	
Oklahoma	1,575.2	1,552.5	1,563.2	160.0	109.9	105.5	10.2	7.1	6.8	
Enid	32.7	31.9	31.7	2.7	2.0	1.9	8.3	6.3	6.0	
Lawton	40.6	39.9	40.7	2.8	2.2	2.1	7.0	5.5	5.2	
Oklahoma City	484.6	487.2	489.9	36.6	25.5	25.0	7.6	5.2	5.1	
Tulsa	379.3	370.4	372.1	42.6	29.2	28.0	11.2	7.9	7.5	
Oregon	1,344.7	1,308.4	1,314.5	154.9	130.0	122.8	11.5	9.9	9.3	
Eugene-Springfield	133.4	130.1	131.1	15.7	12.7	11.8	11.7	9.8	9.0	
Medford	64.6	63.8	64.5	8.3	6.4	6.2	12.9	10.1	9.6	
Portland	670.7	651.9	652.8	71.7	54.0	52.6	10.7	8.3	8.1	
Salem	125.0	121.4	122.6	14.0	12.0	11.5	11.2	9.9	9.3	
Pennsylvania¹	5,443.3	5,316.8	5,429.2	661.1	488.2	473.3	12.1	9.2	8.7	
Allentown-Bethlehem-Easton	307.5	302.2	306.3	39.1	27.8	25.2	12.7	9.2	8.2	
Altoona	56.9	53.8	55.5	9.7	6.4	6.9	17.1	12.0	12.4	
Erie	124.0	120.0	121.9	19.0	12.6	11.8	15.3	10.5	9.7	
Harrisburg	235.0	235.4	241.3	16.8	12.8	12.1	7.1	5.4	5.0	
Johnstown	103.7	97.3	99.5	22.1	13.9	13.5	21.3	14.3	13.6	
Lancaster	183.8	184.3	187.7	12.4	8.8	8.4	6.8	4.8	4.5	
Northeast Pennsylvania	286.5	282.9	289.8	33.0	30.5	30.0	11.5	10.8	10.4	
Philadelphia	2,194.8	2,218.4	2,254.2	188.4	148.3	148.9	8.6	6.7	6.6	
Pittsburgh	1,023.2	973.1	993.3	151.8	110.1	106.1	14.8	11.3	10.7	
Reading	157.8	159.3	162.6	16.9	12.3	11.7	10.7	7.7	7.2	
Sharon	53.7	49.8	50.6	10.2	6.5	6.1	19.0	13.0	12.0	
State College	51.9	51.7	52.8	5.5	3.9	3.8	10.6	7.6	7.1	
Williamsport	52.2	51.4	52.5	8.0	6.0	5.8	15.4	11.7	11.0	
York	178.2	175.5	178.8	20.2	15.0	14.2	11.3	8.6	8.0	
Rhode Island	479.8	479.6	481.5	38.9	31.8	30.5	8.1	6.6	6.3	
Providence-Warwick-Pawtucket	469.6	469.9	469.9	39.7	31.8	30.2	8.5	6.8	6.4	
South Carolina	1,484.2	1,508.6	1,511.7	157.2	109.8	107.7	10.6	7.3	7.1	
Charleston-North Charleston	178.9	185.0	186.5	15.9	10.9	11.1	8.9	5.9	5.9	
Columbia	199.4	209.1	209.9	14.0	10.1	10.3	7.0	4.8	4.9	
Greenville-Spartanburg	290.5	294.0	293.6	27.9	18.5	18.6	9.6	6.3	6.3	
South Dakota	335.7	338.1	345.2	17.4	15.3	14.5	5.2	4.5	4.2	
Sioux Falls	64.9	68.8	69.5	2.9	2.5	2.2	4.4	3.7	3.2	

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force				Unemployed				Percent of labor force	
	Number		Number		Number		Number		Apr. 1984	May 1984 ^d
	May 1983	Apr. 1984	May 1984 ^c	May 1983	Apr. 1984	May 1984 ^c	May 1983			
Tennessee	2,209.4	2,193.9	2,205.8	270.9	186.5	182.1	12.3	8.5	8.3	
Chattanooga	197.0	195.0	196.3	20.4	15.3	15.6	10.4	7.8	8.0	
Johnson City-Kingsport-Bristol	200.8	208.4	207.9	23.1	17.0	16.7	11.5	8.1	8.1	
Knoxville	232.6	230.0	231.1	26.5	17.9	17.7	11.4	7.8	7.7	
Memphis	437.4	410.8	411.4	44.0	31.0	30.3	10.1	7.5	7.4	
Nashville-Davidson	456.2	465.0	467.8	40.1	26.5	25.9	8.8	5.7	5.5	
Texas ¹	7,471.5	7,821.5	7,924.5	596.3	504.4	442.1	8.0	6.4	5.6	
Abilene	75.2	77.6	78.4	3.8	3.6	3.0	5.1	4.6	3.8	
Amarillo	94.8	100.9	102.8	4.8	4.6	4.4	5.1	4.6	4.3	
Austin	317.6	345.8	351.6	13.5	12.9	11.3	4.2	3.7	3.2	
Beaumont-Port Arthur	177.4	180.9	180.8	24.6	22.0	19.1	13.9	12.2	10.6	
Brownsville-Harlingen-San Benito	89.0	93.4	93.2	13.5	13.6	11.8	15.2	14.5	12.6	
Bryan-College Station	53.9	56.5	57.2	2.5	2.2	2.0	4.7	3.8	3.6	
Corpus Christi	166.2	168.0	169.2	18.4	15.2	13.4	11.1	9.1	7.9	
Dallas-Fort Worth	1,754.6	1,876.6	1,905.3	91.4	73.6	66.3	5.2	3.9	3.5	
El Paso	193.5	198.6	200.8	23.8	19.4	17.2	12.3	9.8	8.6	
Galveston-Texas City	90.4	92.2	93.0	10.9	9.5	8.4	12.0	10.3	9.0	
Houston	1,727.6	1,773.7	1,796.9	166.0	128.8	114.7	9.6	7.3	6.4	
Killeen-Temple	70.6	76.3	77.5	4.4	4.0	3.5	6.2	5.2	4.6	
Laredo	41.0	40.4	39.3	10.7	8.3	6.8	26.1	20.7	17.3	
Longview-Marshall	78.9	79.6	80.1	9.1	7.0	6.2	11.6	8.7	7.8	
Lubbock	111.1	114.8	115.6	6.6	7.0	6.0	5.9	6.1	5.2	
McAllen-Pharr-Edinburg	113.6	119.8	118.6	18.7	27.5	21.7	16.5	23.0	18.3	
Midland	62.9	70.4	72.4	3.6	2.9	2.6	5.8	4.1	3.5	
Odessa	71.2	75.3	76.8	6.9	4.2	3.7	9.7	5.6	4.8	
San Angelo	48.7	50.6	51.4	2.6	2.2	1.9	5.3	4.4	3.6	
San Antonio	488.6	523.8	533.8	29.2	26.4	24.3	6.0	5.0	4.6	
Sherman-Denison	39.6	40.3	40.9	3.2	2.3	2.0	8.2	5.8	4.9	
Texarkana	51.1	53.4	53.8	5.0	4.5	4.2	9.8	8.5	7.9	
Tyler	74.8	78.9	79.6	4.7	3.8	3.3	6.3	4.8	4.1	
Waco	87.0	92.8	95.0	4.6	4.0	3.8	5.2	4.3	4.0	
Wichita Falls	65.9	68.9	70.1	4.5	3.2	2.9	6.8	4.7	4.1	
Utah	689.8	697.7	696.4	71.2	47.0	45.3	10.3	6.7	6.5	
Salt Lake City-Ogden	452.7	458.2	456.8	43.6	27.9	26.9	9.6	6.1	5.9	
Vermont	266.3	264.3	265.6	19.8	19.6	17.2	7.4	7.4	6.5	
Burlington	71.5	71.7	72.1	3.6	3.5	3.3	5.0	4.9	4.6	
Virginia	2,723.2	2,772.5	2,808.3	162.9	119.4	120.1	6.0	4.3	4.3	
Danville	55.4	55.2	56.4	4.3	3.6	3.7	7.7	6.5	6.6	
Lynchburg	76.9	77.7	79.1	5.2	3.3	3.1	6.8	4.3	3.9	
Newport News-Hampton	176.7	184.5	187.2	8.8	7.0	6.6	5.0	3.8	3.5	
Norfolk-Virginia Beach-Portsmouth	354.7	366.8	373.3	19.8	14.7	14.4	5.6	4.0	3.9	
Petersburg-Colonial Heights-Hopewell	56.6	55.0	55.8	5.4	4.0	4.0	9.5	7.3	7.1	
Richmond	351.6	355.9	359.4	18.0	11.6	12.1	5.1	3.3	3.4	
Roanoke	112.5	115.4	116.5	6.5	5.5	5.0	5.8	4.7	4.3	
Washington	2,069.5	2,065.3	2,068.7	234.1	209.6	200.4	11.3	10.2	9.7	
Seattle-Everett	899.3	907.2	904.1	92.4	75.5	74.5	10.3	8.3	8.2	
West Virginia	776.2	756.4	760.6	145.6	112.4	104.5	18.8	14.9	13.7	
Charleston	122.0	121.0	122.4	16.7	15.1	14.0	13.7	12.5	11.5	
Huntington-Ashland	124.5	119.2	119.2	23.0	17.0	16.2	18.5	14.3	13.6	
Parkersburg-Marietta	75.3	73.2	74.1	11.9	9.4	9.2	15.9	12.9	12.5	
Wheeling	82.7	78.2	79.4	14.5	11.1	10.8	17.5	14.2	13.6	
Wisconsin	2,445.7	2,427.3	2,428.6	259.4	183.6	167.6	10.6	7.6	6.9	
Appleton-Oshkosh	155.6	155.8	156.2	15.6	11.4	10.5	10.0	7.3	6.8	
Eau Claire	61.9	62.0	61.9	6.2	5.0	4.4	10.0	8.1	7.1	
Green Bay	93.1	94.7	94.7	8.9	6.8	6.2	9.5	7.2	6.5	
Janesville-Beloit	71.6	71.7	71.7	9.1	5.6	5.0	12.7	7.8	7.0	
Kenosha	60.9	59.9	60.0	6.5	4.2	4.1	10.7	7.1	6.8	
La Crosse	51.3	51.3	51.6	4.6	3.5	3.2	9.0	6.7	6.2	
Madison	192.5	195.3	196.0	13.1	9.9	9.1	6.8	5.1	4.6	
Milwaukee	715.3	701.7	703.4	79.0	46.3	46.0	11.0	6.6	6.5	
Racine	85.6	83.8	83.8	11.0	6.5	6.2	12.9	7.8	7.4	
Sheboygan	53.8	54.6	54.5	5.5	3.3	3.2	10.3	6.1	5.8	
Wausau	56.5	56.6	56.6	6.5	5.2	4.8	11.5	9.3	8.5	
Wyoming	264.4	258.7	259.9	24.3	16.7	16.3	9.2	6.5	6.3	

¹ Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

² Not available.

^c preliminary.

NOTE: Data refer to place of residence. Estimates for 1983 have been

benchmarked to 1983 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 1, estimates for 1984 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Explanatory Notes

Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers.

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of 195,000 establishments employing over 35 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definitions and coverage,

sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers) self-employed persons, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

Multiple jobholding. The household survey provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all civilians who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates From Household and Payroll Surveys." *Monthly Labor Review*. December 1969.

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, production or nonsupervisory employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are

sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service series and the treatment of dual jobholders, who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of Census from its censuses or sample surveys of manufacturing and business establishments. The major reasons for noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

County Business Patterns. Data in *County Business Patterns* (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected for 14- and 15-year-olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this report. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or

who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or

longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

Jobseekers are all unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some other method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated labor pickup point.

The *civilian labor force* comprises all civilians classified as employed or unemployed in accordance with the criteria described above. The "labor force" also includes members of the Armed Forces stationed in the United States.

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, Hispanic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

Not in the labor force includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home housework, in school, unable to work because of long-

term physical or mental illness, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies wage and salary workers, subdivided into private and government workers; self-employed workers; and unpaid family workers. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were paid for the holiday. For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job.

The distribution of employment by hours worked relates to persons at work during the survey week. At-work data differ from data on total employment because the latter include persons in the zero-hours-worked category, with a job but not at work. Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working full time. Persons who worked between 1 and 34 hours are designated as working part time. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or other reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Other reasons include: Labor dispute, bad weather, own illness, vacation, demands of home, housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming that: (1) Unemployed persons looking for full-time work lost an average of 37.5 hours, (2) those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

Usual weekly earnings data are provided from responses to the question "How much does...USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers and the incorporated self-employed, who usually work full time on their sole or primary job.

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$10 interval within which each median falls.

The Consumer Price Index for All Urban Consumers (CPI-U) is used to deflate the earnings series.

Single, never married; married, spouse present; and other marital status are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in

families maintained by either men or women without a spouse.

Family refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

HISTORICAL COMPARABILITY

Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force—four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4)

Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

In addition, beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an inflation-deflation approach. This change in the derivation of the estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation", in the February 1974 issue of *Employment and Earnings*.

Effective in July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 men and 46,000 women. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the other population.

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race

determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey Beginning in January 1979" in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

Changes in the occupational and industrial classification system.

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the

monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers." Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

The industrial classification used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*.

Changes in the sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of

sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in April 1984, households selected based on the 1980 census sample design are being introduced into the survey, but they are located in those 1970 design sample areas that will continue into the 1980 sampling frame. Hence, there is no change in the number of sample areas at this time. (See pp. 7-10 of the May 1984 issue for an overview of the introduction of the new sample.)

Table A provides a description of some aspects of the CPS sample design in use during the different data col-

lection periods. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463 Bureau of Labor Statistics.

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and, within these, for six groups—two race categories (white, and black and other) within three residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, the urban, and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed

Table A. Characteristics of the CPS sample, 1947 to date

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500—1,000	3,000—3,500
Feb. 1954 to Apr. 1956	230	21,000	500—1,000	3,000—3,500
May 1956 to Dec. 1959	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to present	629	57,800	2,500	11,000

¹ Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

varies from 4 to 5 percent, depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step is applied to all sample persons and is a weighting to nationwide in-

dependent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, use Report 640 of that series. A description of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are

performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

Nonsampling error. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS, as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject

to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*. Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate

and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard

errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables D and E provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to- month change (con- secutive months only)
Total, 16 years and over:		
Civilian labor force	252	193
Employed	270	205
Unemployed	137	138
Men, 20 years and over:		
Civilian labor force	152	131
Employed	167	146
Unemployed	96	96
Women, 20 years and over:		
Civilian labor force	190	143
Employed	190	147
Unemployed	83	86
Both sexes, 16 to 19 years:		
Civilian labor force	83	90
Employed	86	97
Unemployed	58	64
Black, 16 years and over:		
Civilian labor force	87	66
Employed	95	71
Unemployed	66	69
Men, 20 years and over:		
Civilian labor force	50	44
Employed	57	51
Unemployed	45	48
Women, 20 years and over:		
Civilian labor force	67	47
Employed	67	49
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	32	37
Employed	27	31
Unemployed	30	32

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of--		Characteristic	Standard error of--	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	Occupation—Continued		
Men, 20 years and over	.16	.16	Precision production, craft, and repair	0.38	0.42
Women, 20 years and over	.18	.19	Machine operators, assemblers, and inspectors	.52	.59
Both sexes, 16 to 19 years	.66	.78	Transportation and material moving	.68	.78
White workers	.12	.13	Handlers, equipment cleaners, helpers, and laborers	.80	.93
Black workers	.55	.58	Farming, forestry, and fishing	.88	1.01
Married men, spouse present	.16	.17	Industry		
Married women, spouse present	.22	.23	Nonagricultural private wage and salary workers	.14	.15
Full-time workers	.13	.13	Mining	1.47	1.68
Part-time workers	.34	.42	Construction	.71	.81
Unemployed 15 weeks and over	.07	.09	Manufacturing	.28	.31
Occupation			Durable goods	.35	.39
Executive, administrative, and managerial	.25	.28	Nondurable goods	.44	.50
Professional specialty	.20	.23	Transportation, communications, and public utilities	.43	.48
Technicians and related support	.49	.55	Wholesale and retail trade	.28	.31
Sales	.31	.35	Finance and services	.22	.24
Administrative support, including clerical	.26	.29	Government workers	.25	.28
Private household	1.28	1.45	Agricultural wage and salary workers	1.29	1.50
Protective service	.80	.90			
Service, except private household and protective	.41	.46			

previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors

in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percentage point.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. The approximate standard errors of levels, rates, and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate

of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

Standard error of year-to-year change =

$$\sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

Where x is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P , is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

Illustration. Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000, year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)}$$

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80	-	87	66	93	88
6,000	146	116	94	86	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	61	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error

on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

Table E. Standard errors for estimates of month-to-month change

(In thousands)

Estimated monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years
50	8	8	13	13	12	13	12	12
100	11	11	18	18	16	18	17	18
500	25	25	39	34	37	40	38	35
1,000	36	35	54	36	51	54	52	37
2,000	50	47	72	-	72	70	69	-
4,000	70	62	88	-	99	78	85	-
6,000	86	70	88	-	118	60	87	-
8,000	98	73	71	-	132	-	-	-
10,000	109	71	-	-	143	-	-	-
15,000	131	42	-	-	160	-	-	-
20,000	148	-	-	-	165	-	-	-
30,000	174	-	-	-	-	-	-	-
40,000	191	-	-	-	-	-	-	-
50,000	203	-	-	-	-	-	-	-
60,000	210	-	-	-	-	-	-	-
70,000	212	-	-	-	-	-	-	-
80,000	211	-	-	-	-	-	-	-
100,000	193	-	-	-	-	-	-	-
120,000	153	-	-	-	-	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

Table G. Standard errors for month-to-month change in unemployment rates

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000	.05	.07	.11	.14	.15	.15	-	-	-	-

Table H. Standard errors for estimated percentages and month-to-month change in percentages for labor force data

Monthly base of percentages (In thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

Table I. Factors to be used with Table H to compute approximate standard errors for percentages and month-to-month change in percentages

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.26	1.05	Part-time labor force, duration of		
Part-time labor force	1.26	1.50	reentering labor force.	1.01	1.21
Labor force data other than agricultural			All other unemployment characteristics:		
employment and unemployment data:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Men only .....	.93	.84	Both sexes, 16 to 19 years .....	.97	1.21
Women only .....	.86	.75	Black:		
Both sexes, 16 to 19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16 to 19 years	1.04	1.24

Table J. Factors to be used with Tables, D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages,

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Table K. Standard errors for estimates of quarterly level, to be used with CPS earnings data

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	-	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (Tables B-1 through C-8)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment Hours and Earnings, States and Areas, 1939-82* and their annual supplements.

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, on paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, on strike for the entire period, or who were hired but have not yet reported during the period.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's

own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operation.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

Hours cover the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

Overtime hours covers hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Average hourly and weekly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production worker, construction worker, or nonsupervisory employee definitions.

Average weekly earnings estimates are derived by multiply average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours. The overtime hours represent that portion of the average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Table L. Summary of methods for computing industry statistics on employment, hours, and earnings

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and where stratified, industry)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employees estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers. ²	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

¹ The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by

a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.

Since overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours.

Railroads hours and earnings. The figures for Class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Real earnings, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hour aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 185 seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the "link relative" technique which is a form of ratio estimation; (2) periodic adjustment of employment levels to new benchmarks; and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or nonsupervisory worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods in table L, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonagricultural industries and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1983 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1983 benchmark adjustment is shown in table M.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

THE SAMPLE

Design

The sampling plan used in the Current Employment Statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1983

Industry	Benchmark	Estimate	Percent difference
Total	88,208,000	88,172,000	(¹)
Mining	945,000	996,000	-5.4
Construction	3,469,000	3,453,000	.5
Manufacturing	17,956,000	18,166,000	-1.2
Transportation and public utilities	4,923,000	4,913,000	.2
Wholesale trade	5,156,000	5,145,000	.2
Retail trade	14,971,000	14,810,000	1.1
Finance, insurance, and real estate	5,361,000	5,359,000	(¹)
Services	19,262,000	19,279,000	-1
Government	16,165,000	16,051,000	.7

¹ Less than 0.05 percent.

considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS Current Employment Statistics program, with its emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after the reference period, and, at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table N shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1983¹

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	195,100	35,141,000	40
Mining	2,600	324,000	34
Construction	19,100	667,000	19
Manufacturing	49,200	9,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	30	341,000	93
Other transportation and public utilities	8,700	2,353,000	52
Wholesale trade	16,800	820,000	16
Retail trade	30,800	2,660,000	18
Finance, insurance, and real estate	13,400	2,040,000	38
Services	33,100	4,291,000	22
Government:			
Federal ²	4,800	2,731,000	100
State	3,700	3,051,000	81
Local	12,900	5,912,000	61

¹ Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,800 reports covering about 64 percent of employment in Federal establishments.

the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a

smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

$$RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry

(In percent)

Industry	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private	.2	0.1	0.2
Mining	2.1	1.0	1.3
Construction	1.7	.2	.5
Manufacturing	.5	.1	.2
Durable goods	.5	.1	.3
Nondurable goods	.4	.1	.2
Transportation and public utilities	.4	.7	.6
Wholesale trade	.3	.2	.4
Retail trade	1.2	.2	.4
Finance, insurance, and real estate	.2	.2	.4
Services	.4	.4	.6
Government ³	.7	-	-

¹ The average percent revision in employment for the 1979-83 benchmarks.

² Relative errors relate to 1982 data.

³ Estimates for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

Table P. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	2.2	4.0
100,000	3,900	1.3	2.3
200,000	5,600	1.1	2.0
500,000	14,000	.9	1.6
1,000,000	15,000	.8	1.2
2,000,000	26,000	.5	.9

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change
Total nonagricultural employment	114,600	105,000
Goods-producing	39,600	34,300
Mining	5,500	5,100
Construction	22,000	18,200
Manufacturing	29,000	28,500
Durable two-digit industries	5,400	5,200
Nondurable two-digit industries	3,900	3,900
Service-producing	93,600	91,500
Transportation and public utilities	13,400	14,000
Wholesale trade	9,000	8,300
Retail trade	42,600	30,100
Finance, insurance, and real estate	9,300	8,200
Services	34,500	28,000
Government	71,300	62,800

NOTE: Data at the division level are based on differences from January 1978 through December 1983. Two-digit industry data are based on differences from January 1982 through December 1983.

differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented in a summary volume published annually by the BLS.

Productivity Data (Tables C-9 through C-11)

COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

CONCEPTS

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of all persons measure changes in the volume of goods and services produced per paid hour of labor input.

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also in-

clude an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

Unit nonlabor payments include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits.

Unit profits include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the

constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

NOTES ON THE DATA

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing output data are supplied by the

Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis of determining eligibility of an area for benefits under Federal programs such as the Job Training and Partnership Act and the Public Works and Economic Development Act.

Annual average data for the States and areas shown in table D are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

ESTIMATING METHODS

The civilian labor force and unemployment estimates in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles—Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 253 labor market areas are prepared in several stages. The civilian labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total civilian employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment on the basis of employment relationships which existed at the time of the 1970 decennial census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not cover by UI.

2. *Preliminary estimate—unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current employment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause,

etc., but would otherwise have been eligible), and person who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each noncovered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ where}$$

U = total entrant unemployment
E = total civilian employment
X = total experienced unemployment
A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6-month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State). The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all sub-state LMA estimates to ensure that the sub-state estimates of employment and unemployment add to the independent State totals. In California and New York, which also have sub-state areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States and the District of Columbia for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating

changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving

average method. It provides for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue NO. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal adjustment factors are calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a set of seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December

1983, new seasonal adjustment factors to be used to calculate the civilian unemployment rate for the first 6 months of 1984, and a description of the current seasonal adjustment methodology are published in the January 1984 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1979-83 revision period for a broad range of labor force series appear in the February 1984 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are published in *Supplement to Labor Force Statistics Derived From the Current Population Survey: A Databook*, Volume II, Bulletin 2096-1, May 1984.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current year's estimates are based on actual data through March 1984 and projected data through March 1985. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series since June 1981.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series

Beginning in June 1983, seasonal adjustment factors

for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers was substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal adjustment factors were based. In the past several years, the number of these workers has decreased to the point where their

presence has no impact on seasonal adjustment. Temporary census takers for the 1980 decennial census are removed prior to the calculation of seasonal adjustment factors for Federal Government employment.

The revised seasonally adjusted series for the establishment data reflect experience through March 1984. Seasonal adjustment factors to be used for current adjustment appear in the June 1984 issue of *Employment and Earnings*.